

HD/3G SDI Camera

For Surveillance, Sports, TV and Profes-



World's smallest HD/3G SDI Bullet Camera for sports, TV broadcast, medical, machine vision and professionals.

[Smallest SDI Camera in the world]

It is smallest in the world, just the diameter of a coin and the length of credit card. It is small size, light weight and weatherproof.



[SDI Full Digital, High Quality over coaxial cable]

Full digital, high quality, low latency, robust video over long distance coaxial cable.



[HD 3G SDI Support]

Supports 3G SDI with 2.97Gbit/s video for 1080p50/60.



[1080i Support]

Supports 1080i50/60 for TV broadcast and consumer electronic applications.



[Interchangeable CS Mount Lens]

Fix and Zoom CS lens for critical, creative application, more freedom.



[Power over coaxial]

Rugged anodized aluminum bullet housing for shock resistant and harsh environments



[Rugged Aluminum]

Rugged anodized aluminum bullet housing for shock resistant and harsh environments

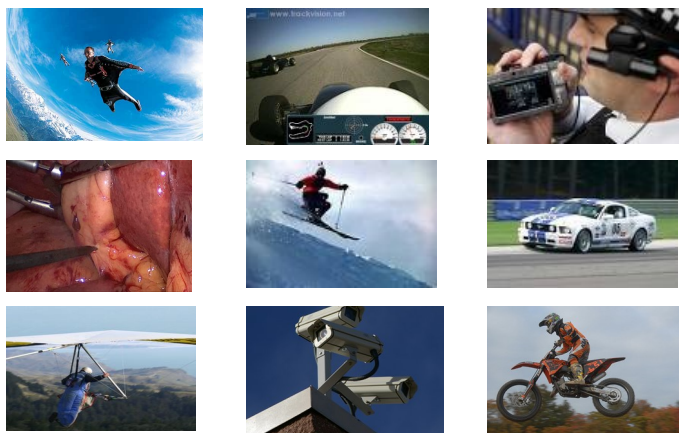
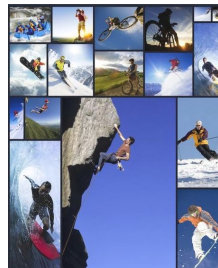


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Perfect Camera for all types of activities

The latest generation, full digital bullet camera for all mobile video applications, such as surveillance, sports, TV, medical, machine vision etc. from personal to professionals.

- ✓ The size does matter when you are on wheels or space limited applications, the HD/3G Bullet Camera is exactly you need for solution.
- ✓ When camera is far from NVR, the SDI camera can also help to reach up to 100 meters remotely. Also the power over coaxial can solve power the camera with just a single video cable.
- ✓ Analog cameras can be replaced with SDI camera without replacing the video cable to lower the overall cost to upgrade analogy video system to full digital.
- ✓ Perfect for surveillance, sports, TV broadcast, medical, machine vision, spy, driving etc.
- ✓ All tradition bullet camera mount system can be used to wear on head, mount on bike, helmet or vehicle.



HD/3G SDI Bullet Camera with CS Mount Lens



*Bullet DVR and LANC Remote Control are sold separately.

Specification

Power	Supply	Voltage	12-18VDC
		Current	HD SDI: 170mA, 3G SDI: 260mA @ 12VDC
		Power over coaxial	18V DC, optional
Video	Format	Format	1080p 25/30fps, 1080i 50/60fps, 1080p 50/60fps
		Output	HD-SDI, 1.485Gb/s 3G-SDI, 2.97Gb/s
	Camera	Size	1/3" low light
		Active Pixel	1920x1080, 2.2um pixel size
		CS Lens*	2.8, 3.6, 4, 6, 8mm, 6 Elements in 5 group glass 3-10mm Zoom lens, 5-50mm Zoom Lens
		Board Lens	2.8, 3.6, 4, 6, 8mm, 6 Elements in 5 group glass
		Aperture	F1.4, 1.8, 2.0 dependent on lens
		Sensitivity	3300uv/lux-sec
		Dynamic Range	69db
		Scan	Progressive scan
		Shutter	Rolling shutter
		Exposure	AE, AWB
		OSD	Menu, Only available for specific model
Physical	Interface	Video	BNC 75 ohm, 800mVpp
		Power	Power Jack 5.5mm x 2.0mm I.D
		Setting	5 Directional button
	Environment	Dimension	Ø26x80mm (1.02" x 3.2")
		Weight	52g (1.8oz) without cable
		Temperature	0°C-40°C
		Storage	-10°C-50°C

*CS Lens are optional and sold separately. Features and specifications subject to change without notice.

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Zowietek Electronics, Ltd

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<http://www.zowietek.com>

Zowietek's products comply with CE and RoHS.

HD SDI Micro DVR

For Professionals and Extreme Sports

H264/MPEG4



Ad-

vanced features make HD SDI Micro DVR record SDI

[HD SDI Input]

Full digital, high quality, low latency, robust HD SDI video over long distance coaxial cable video recording becomes possible for mobile applications. It is unique in market.

[SD Card and OTG HDD Support]

Support high speed, solid state SD up to 32GB and support external USB HDD on market. So you can record any activities into handy SD card and record more activities on long lasting HDD.

[One Push Recording and Various Recording Trigger]

One push button or one push LANC recording makes Micro DVR even quicker and easier to operate. You won't miss any important action right before you push the button.

[One Lock Cable Connection]

Bullet camera head with weather proof, lock connector and Microphone makes Micro DVR suitable for rigid and heavy duty personal and professional applications without cable hassle.

[Battery Powered both DVR and SDI Camera]

Battery powered both DVR and SDI camera make video recording anywhere possible. It can be mount in a car, motorcycle or any place on the go.

[Power over coaxial]

Rugged anodized aluminum bullet housing for shock resistant and harsh environments

[Solid State and Shock Resistant]

Rugged anodized aluminum housing, all solid state recording for shock resistant recording, no moving parts, no tape, no tangle of wires.



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Perfect gear for all types of activities

As an on-board camera, helmet camera..., from personal to professional..., the latest generation and most powerful H264/MPEG4 HD SDI Micro DVR system on market.

- ✓ *It doesn't matter whether you are on four wheels, two wheels, go-karting, on-road or off-road, the Micro DVR can record your actual run, exactly as you experience.*
- ✓ *Whatever the sports, like bike, sky-diving, ski and whatever, the Micro DVR can capture all the action from the player's point view.*
- ✓ *Perfect when hand free recording circumstances, like police patrol, security surveillance, spy, medical, driving or industry inspection etc..*
- ✓ *Virtually unlimited applications for small, light weight and flexible Micro DVR.*



*DVR and bullet camera are sold separately.

[LANC Support]

Long LANC remote control makes it easy to store you DVR in safe place while focusing on your sport activities. LANC provide unique remote recording status feed back.



[H264/MPEG4 Encoder]

Support both H264/MPEG4. The video can reach up to 12Mbps/s for 1080p. Codec is supported by video editor software.



[High Quality Video over long cable]

With full digital HD SDI camera, the DVR can get top quality video on the market even on a long cable, very useful for some application



[Adjustable Microphone Gain]

Both internal and external mono/stereo microphone gain is adjustable. So the DVR can pick up sound in various quiet or noise environments.



[Lap Timer Option*]

Lap Timer is for race cars, lapping cars and motorcycles to track the time of each lap which is synchronized and recorded on video.



[GPS/G-Force Option*]

5Hz GPS and +/-2g,8g G-Force data can be logged, synchronized and overlay on the recorded video. It can be used is sports cars and aviation for post analysis



[Hands Free Recording Anywhere]

Battery powered palm size DVR with lock camera make video recording anywhere possible. It can be mount in a car, motorcycle or just worn on you board or helmet.



[Various Record Trigger Events]

One push button, LANC, Power up, Motion detection and Timer recording.



*Some features are available or optional. Specifications subject to change without notice.

HDMI/DVI/VGA/YPbPr/CVBS DVR

For Game, Camera and PC HD Capture

H.264
MPEG-4/AVC



Advanced features make HDMI/DVI/VGA/YPbPr/CVBS
DVR record any video any time, anywhere in your pocket.

[Universal video interfaces]

Supports various video inputs. It enables full range of video connectivity, compatibility to video player, camcorder, PC, camera, surveillance, medical, industrial videos.

[SD Card and OTG HDD Support]

Support high speed, solid state SD up to 32GB and external USB HDD on market. So it can be used in portable, action or long lasting video recording activities.

[Crisp full HD Video]

Record in 1080p full HD H.264 or MPEG-4 video. It accepts analog and digital videos with various video resolution, such as PC output, and convert to HD videos.

[One Lock Cable Connection]

Different inputs connect DVR with lock connector. The weather proof, lock connector makes Micro DVR suitable for rigid and heavy duty personal and professional applications without cable hassle.

[Self Battery Powered]

Self battery powered, standalone DVR makes video recording anywhere possible. The rugged anodized aluminum housing DVR is small, portable, rugged, shock resistant, no moving parts.

[One Push recording]

One push button recording makes Micro DVR even quicker and easier to operate. You won't miss any important action right before you push the button.

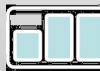
[Standalone even no external power]

Rugged anodized aluminum housing, all solid state recording for shock resistant recording, no moving parts, no tape, no tangle of wires.

5in1



FULL HD
1080p



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Perfect for all types of video applications

From Game, Camera, PC, e-Learning, Training, Industrial and scientific video, the DVR provides the latest generation and most powerful H264/MPEG4 1080p HD Micro DVR system on market.

- ✓ It can record your Xbox or PlayStation gameplay and share your journey with friends, fans. With advanced hardware codec, you can capture in stunning 1080p full HD quality while keep the file size small.
- ✓ Capture, record from any display or camera source, such as computer monitor, Radar display, ultrasound monitor or SD video of camcorder.
- ✓ Live Event video and sound recording, such as presentation, training. Great for e-Learning, training, scientific experiment, medical operation, anywhere video recording required.
- ✓ Offer a portable solution for the medical operation room video recording.
- ✓ DVR is self powered standalone, use it everywhere, it is portable and no software or PC required for recording.



*DVR and bullet camera are sold separately.

Specification

Power	Supply	Voltage	12VDC, 1.2-2A, 110-240VAC Adapter USB MicroUSB 900mA Car cigarette power are optional
		Battery	Lion polymer rechargeable, 3500mAH
Video	Codec	Resolution	1920 x 1080p25/30/50/60, 1280x720p50/60 480i/576i, 1080i50/60 DVI/HDMI/VGA/YPbPr, all resolutions
		Encoder	H.264/HP, MPEG-4/SP
		Bit Rate	Max. 12Mbps/s, 6 level adj., CBR/VBR
		Photo	JPEG
		Audio	AAC Stereo
	Interface	Component IN	3 x RCA, YPbPr, 75Ω via Lock Adapter
		VGA IN	1 x 15-pin D-SUB via Lock Adapter
		DVI IN	1 x DVI-D, Receptacle, Single Link via HDMI
		CVBS IN	1 x RCA 1Vpp, 75Ω via Component Y
		HDMI IN	1 x TYPE C, Receptacle
		YPbPr IN	3 x RCA, 1Vpp, 75Ω via Lock Adapter
		YPbPr Loop OUT	1 x 3.5mm JACK to 3 x RCA, 1Vpp, 75Ω
		USB	1 x MicroUSB OTG
Physical	Environment	Remote Switch	1 x 3.5mm Jack, LANC
		Storage	SD Card, USB HDD via OTG
		Dimension	87 x 70 x 23.5mm(3.15" x 2.75" x 0.9") Sand blast black aluminum
		Weight	178g (6.3oz)
		Temperature	0°C to 45°C(32°F to 113°F)
		Storage	-20°C to 60°C(-4°F to 140°F)

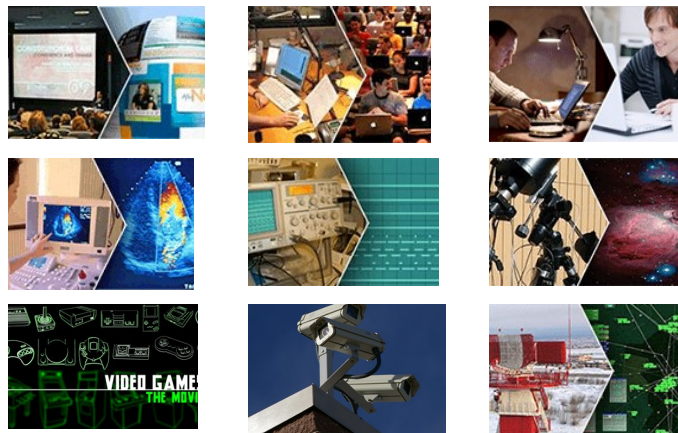
*Features and specifications subject to change without notice.

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HD MegaDVR

Universal HD Video Recorder and Encoder

H.264
MPEG-4/AVC



3G-SDI

Universal features make any video recording and encoding easy, simply. It is high quality, feature rich and affordable.

[HD/3G SDI and universal inputs]

Support HD, 3G SDI and various video inputs. It enables full range of video connectivity, compatibility and integration. Virtually it can connect to all video sources on market.



[Various Storage]

Record image and video on various storage, such as internal removable HDD, external USB HDD, USB Flash, SD card. All removable media include HDD make video storage and exchange most flexible.



[One Push Recording]

Foot switch, button on from waterproof membrane panel and unique LANC remote control record control. LANC provide unique remote recording status feedback and cord extension accessory.



[LCD display and all input video loop preview]

On panel LCD for preview and configuration. Meanwhile all video inputs can also loop out to DVI for preview purpose at the same time of the recording.



[Crisp high quality video]

1080 line video using H264 or MPEG4 format can delivery extremely clear and detail images. A robust, the internal hard drive can store up to weeks continues HD videos without change disk.



[Simultaneous Stream Video while recording]

Ability to support live video streaming over a hospital network or the internet for surgical training, collaboration or remote diagnosis.



[Sensor and Alarm I/O]

RS485, PTZ, Sensor, alarm digital I/O, motion detection are available.

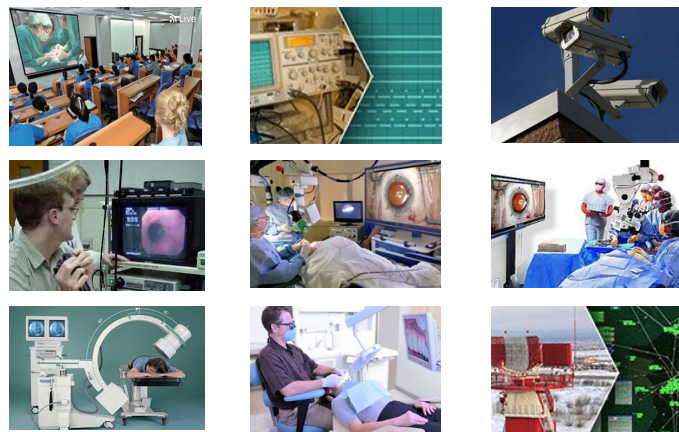


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Perfect for General Video Application

An all interface in one unit, Industrial most versatile HD video recorder with superior video quality, easy control and various removable storage.

- ✓ The MediDVR offer a solution for the operation room that can be sassily integrated with the latest HD surgical camera products.
- ✓ MediDVR 's HD video images can be used as documenting surgical procedures, referring physicians and education, it is also ideal for surgical training and collaboration.
- ✓ It an ideal combination for todays surgical recording workflow. The MediDVR offers the flexibility to simultaneously record video and loop monitor of the video. It also simultaneously record to removable disk and send live video streaming over the hospital network.
- ✓ The recorder can easily connected to the hospital network for archiving or offer live streaming of video recording to medical staff or student outside of the operating room. The compact size makes it an easy fit the surgical cart, and its intuitive fron panel design makes it simple to operate.
- ✓ It is suitable for use in hospital radiology and operating rooms, diagnostic imaging centers, surgical centers, clinics or integration with medical equipment like laparoscope.



Specification

Power	Supply	Voltage	AC 100-240V 50/60Hz, 3 prong AC Jack
		Current	1A
Video	Codec	Resolution	480/576p, 720p50/60, 1080p25/30 SMPTE 296M/274M/292M, 425M/424M DVI/HDMI/VGA/YPbPr, all resolutions
		Encoder	H.264/HP, MPEG-4/SP
		Bit Rate	Max. 12Mbps/s, 3 level adj., CBR/VBR
		Streaming	RTSP
		Photo	JPEG
		Audio	AAC Stereo, G711
	Network	Protocol	TCP/UDP(Multicast/Unicast), DHCP,HTTP, FTP SNTP, SMTP,UPnP
		Security	Password protection, HTTPS
	Interface	HD/3G IN	1 x BNC, 75Ω, 800mVpp
		Component IN	3 x BNC, YPbPr, 75Ω
		VGA IN	1 x 15-pin D-SUB via DVI/VGA Adapter
		DVI IN	1 x DVI-D, Receptacle, Single Link
		S-VIDEO IN	1 x Mini DIN 4-pin, 1Vpp, 75Ω
		HDMI IN	1 x TYPE A, Receptacle
		Component IN	1 x BNC, YPbPr, 75Ω
		SDI Loop OUT	HD/3G SDI, 75Ω, 800mVpp
		DVI Loop OUT	1 x DVI-D, Receptacle
		Network	1 x RJ45, 10/100 Ethernet
Physical	Alarm	USB	3 x USB2.0, 1 x Front, 2 x Rear
		Remote Switch	1 x 3.5mm Jack, Footswitch / LANC
		Storage	USB Flash, SD Card, USB HDD, Internal SATA HDD
		External	2 x Sensor In (Dry, NC/NO) 2 x Alarm Out (Wet, NC/NO)
		Event	Motion, Video loss, Sensor In, Ethernet Loss
		Event Action	Email, FTP, PTZ, Alarm, Record, SMTP
		Application	RS485, PSIA
	Environment	Dimension	298 x 146 x 73mm(11.8" x 5.8" x 3.1")
		Weight	52g (1.8oz) without cable
		Temperature	0°C to 45°C(32°F to 113°F)
		Storage	-20°C to 60°C(-4°F to 140°F)

*Features and specifications subject to change without notice.

* Encoder don't have front panel and LCD. Encoder only support SD.

1CH Micro Pocket DVR

For Extreme Sports and Professionals



Advanced features makes Micro Pocket DVR record video any time, anywhere in your pocket.

[CF Card Support]

Support high speed and high capacity CF up to 32GB, so you can record more activities into your Micro DVR.



[One Push Recording]

One push button recording makes Micro DVR even quicker and easier to operate. You won't miss any important action right before you push the button.



[One Lock Cable Connection]

Bullet camera head with weather proof, lock connector and Microphone makes Micro DVR suitable for rigid and heavy duty personal and professional applications without cable hassle.



[Continuous Overwrite Recording]

Continuous cyclic overwriting recording that is a must feature for surveillance recording.



[Solid State and Shock Resistant]

Rugged anodized aluminum housing, all solid state recording for shock resistant recording, no moving parts, no tape, no tangle of wires.



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Perfect gear for all types of activities

As an on-board camera, helmet camera..., from personal to professional..., the latest generation and most powerful MPEG2/4 Micro Pocket DVR system on market.

- ✓ It doesn't matter whether you are on four wheels, two wheels, go-karting, on-road or off-road, the Micro DVR can record your actual run, exactly as you experience.
- ✓ Whatever the sports, like bike, sky-diving, ski and whatever, the Micro DVR can capture all the action from the player's point view.
- ✓ Perfect when hand free recording circumstances, like police patrol, security surveillance, spy, driving or industry inspection etc..
- ✓ Virtually unlimited applications for small, light weight and flexible Micro DVR.
- ✓ Instant playback of recording ready for editing or burn to DVD on PC.
- ✓ Car record mode for taxi, bus and accident recording.



*DVR and bullet camera are sold separately.

[LANC Support]

Long LANC remote control makes it easy to store you DVR in safe place while focusing on your sport activities. Even when power off, you can wake up DVR and start recording with LANC.



[MPEG 2/4 Encoder]

Support both MPEG-2/4. MPEG-2 is mostly used in TV and file maker.



[High Quality Video]

Full D1, DVD quality video with maximum 10M-bits/s. The top quality on market.



[Adjustable Microphone Gain]

Both internal and external mono/stereo microphone gain is adjustable. So the DVR can pick up sound in various quiet or noise environments.



[Lap Timer Option]

Lap Timer is for race cars, lapping cars and motorcycles to track the time of each lap which is synchronized and recorded on video.



[GPS/G-Force Option]

5Hz GPS and +/-2g, 8g G-Force data can be logged, synchronized and overlay on the recorded video. It can be used in sports cars and aviation for post analysis.



[Hands Free Recording Anywhere]

Battery powered palm size DVR with lock camera make video recording anywhere possible. It can be mount in a car, motorcycle or just worn on your board or helmet.



[Motion Detection]

Both video and G-Force motion detection can trigger video recording. External event via DIO can also trigger video recording.



*All above features are available or optional for 1CH and 2/3/4CH Micro Pocket DVR.

2CH/3CH/4CH Micro Pocket DVR

For Extreme Sports and Professionals



[Multiple Channel]

2, 3, 4 Channel customized DVR for various applications. Unique design in industry.

[Picture combination]

Video from different channel can be configured as QUAD, PIP, Split etc. It is very useful for car racing

[Lock Connector]

Lock connector is available for rigid and heavy duty applications.

[Battery Powered DVR and CAM]

Battery powered DVR with lock camera make video recording anywhere possible. It can be mount in a car or motorcycle. It can power up to two bullet cameras with internal battery.

All-in-one Waterproof LANC Remote Control

One model for all cameras, one button for all functions. It makes one LANC remote control for DVR and all video cameras with a LANC connection and one button for all functions possible. There is no need to access the DVR or video camera buttons directly for recording and standby or power on/off.

Specifications Micro DVR

Camera Head	Optical	Image Device	1/3" Sony CCD
		Min. illumination	0.5Lux
		Built-in lens	F3.6mm/F2, other focal length optional
	Video	Number of pixel	PAL: (H)768x(V)582, NTSC: (H)778x(V)492
		Scanning System	PAL/NTSC
		Hori. Resolution	520 TV Lines
		White Balance	Auto
		S/N	>48db
		Electronic Shutter	PAL: 1/50~1/100,000s, NTSC: 1/60~1/100,000s
	Microphone	Sensitivity	-58db
		Impedance	2.2Kohm
		Directivity	Omni Directional
		Frequency	20-16,000Hz
Micro Pocket DVR	Physical	Operation Voltage	2V
		Weather Proof	Yes
		Length	1.2m, other length is optional
		Head size	ø22x88mm
	Video	Video Format	MPEG-2/4
		Resolution	PAL: 720x576@25fps, NTSC: 720x480-D1
		Bit Rate	1M-10Mbits/s
		Frame Rate	PAL: 25fps, NTSC: 30fps
		Record Quality	LQ/EP/LP/SP/HQ/UQ, 6 level adjustable
		Standard	PAL/NTSC/SECAM
	Audio	Picture	Brightness/Contrast/Saturation adjustable
		Sampling	48KHz
	Interface	Format	PCM/ADPCM
		Remote Control	IR, LANC, LAN
		Button	Rec, Stop and directional push buttons
		Video in	6pin lock connector, 1Vpp 75ohm
		Audio/MIC in	2 Channel, Mono or Stereo, Gain Adj., 3.5mm Jack
		Internal Microphone	-42db, Omni Directional, Gain Adj.
		Camera Power	5.5mm Power Ja0°C-40°Cck
		Visible	Multi-Color LED
		LANC	2.5mm LANC Jack
		Alert	Buzz, Motor Vibration Optional
		Ethernet	10/100 Base-T
		DC Power	4.2mm O.D. x 1.3mm I.D., DC Power
		LCD	2.4" TFT
		Power Off	Selectable auto shut down in 1/5/15 min.
		LCD Off	Selectable auto off in 5/15/30 min.
2/3/4 CH	Power	AC Adapter	12VDC1A, 110-240VAC
		Battery	1x3.7V Li-polymer rechargeable battery, 3700mAH
		CAM DC	12V 250mA, 5-12V adjustable
	GPS	Frequency	L1 frequency, 51 channels
		Update Rate	5Hz
	G-Force	Antenna	2 meters with magnet at bottom
		Accelerometer	±2g, ±4-8g, Motion detection and G-Force
	Storage	CF Card	512MB-32GB
		Format	FAT32
	Physical	Dimension	87x70x23.5mm
		Weight	220g(with battery and CF)
		Operating Temp.	0°C-40°C, -10°C-50°C for camera head
2/3/4 CH	Video	Video In	4xBNC, 1Vpp 75ohm
		Video Out	1xBNC, 1Vpp 75ohm
	Power	AC Adapter	12VDC 1.5A, 110-240VAC
		Battery	1x7.4V Li-Polymer rechargeable battery, 4900mAH
	Physical	CAM DC	12V 350mA, 9-12V Adjustable
		Dimension	120x70x23.5mm
2/3/4 CH	Physical	Weight	290g (With battery and CF)

*GPS, G-Force, DIO and some other features are optional

Recording Time[8GB]

Full D1

Quality	I Frame	LQ	EP	LP	SP	HQ	UQ
Rec. Time	25h~58h	17h46m	8h52m	4h26m	2h57m	2h13m	1h46m

*Actual recording varies with the contents of video. The longer the recording time, the larger CF card capacity. UQ mode has no audio.

Optional Accessories



Battery Pack



Beacon Receiver



Bullet Camera



Zoom Bullet



1CH CAM Cable



2CH CAM Cable



4CH CAM Cable



CF Cards



Car charger



DVR Holder



[LANC Remote Control](#)



LANC Adapter



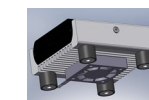
LANC Extension



Ext. Microphone



Ext. Stereo MIC



DVR Mount



Power Wire



DVR Kit

Some pictures on this brochure are simulated. Other brand name and product name may be trademarks or registered trademarks of their owners.

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Zowietek's products comply with CE and RoHS.

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H264 Micro Pocket DVR

For Extreme Sports and Professionals



Advanced features makes Micro Pocket DVR record video any time, anywhere in your pocket.

[SD Card Support]

Support high speed and high capacity SDHC up to 32GB, so you can record more activities into your Micro DVR with



[One Push Recording]

One push button recording makes Micro DVR even quicker and easier to operate. You won't miss any important action right before you push the button.



[One Lock Cable Connection]

Bullet camera head with weather proof, lock connector and Microphone makes Micro DVR suitable for rigid and heavy duty personal and professional applications without cable hassle.



[Continuous Overwrite Recording]

Continuous cyclic overwriting recording that is a must feature for surveillance recording.



[Solid State and Shock Resistant]

Rugged anodized aluminum housing, all solid state recording for shock resistant recording, no moving parts, no tape, no tangle of wires.



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Perfect gear for all types of activities

As an on-board camera, helmet camera..., from personal to professional..., the latest generation and most professional H264 Micro Pocket DVR system on market.

- ✓ It doesn't matter whether you are on four wheels, two wheels, go-karting, on-road or off-road, the Micro DVR can record your actual run, exactly as you experience.
- ✓ Whatever the sports, like bike, sky-diving, ski and whatever, the Micro DVR can capture all the action from the player's point view.
- ✓ Perfect when hand free recording circumstances, like police patrol, security surveillance, spy, driving or industry inspection etc..
- ✓ Virtually unlimited applications for small, light weight and flexible Micro DVR.
- ✓ Instant playback of recording ready for editing or burn to DVD on PC.
- ✓ Car record mode for taxi, bus and accident recording
- ✓ Low power for longest recording time during activities.



*DVR and bullet camera are sold separately.

[LANC Support]

Long LANC remote control makes it easy to store your DVR in safe place while focusing on your sport activities. Even when power off, you can wake up DVR and start recording with LANC.



[H264 Codec]

Support H264 record and replay which is mostly used on market.



[High Quality Video]

Full D1, DVD quality video with maximum 3M-bits/s. The top quality on market.



[Adjustable Microphone Gain]

Both internal and external mono/stereo microphone gain is adjustable. So the DVR can pick up sound in various quiet or noise environments.



[Lap Timer Option]

Lap Timer is for race cars, lapping cars and motorcycles to track the time of each lap which is synchronized and recorded on video.



[GPS/G-Force Option]

5Hz GPS and +/-2g, 8g G-Force data can be logged, synchronized and overlay on the recorded video. It can be used in sports cars and aviation for post analysis.



[Hands Free Recording Anywhere]

Battery powered palm size DVR with lock camera make video recording anywhere possible. It can be mount in a car, motorcycle or just worn on your board or helmet.



[Motion Detection]

Both video and G-Force motion detection can trigger video recording. External event via DIO can also trigger video recording.



*All above features are available or optional for 1CH and 2/3/4CH H264 Micro Pocket DVR.

ACTION BULLET DVR

For Extreme Sports and Professionals

H264



Advanced features makes Action Bullet DVR record video any time, anywhere in your pocket.

[Micro SD Card Support]

Support high speed and high capacity SD up to 32GB, so you can record more activities into your Action Bullet DVR.



[One Push Recording]

One push button recording makes Action Bullet DVR even quicker and easier to operate. You won't miss any important action right before you push the button.



[Laser Beam Alignment]

Bullet camera head with laser beam level alignment can ensure you get the shot each time.

[Continuous Overwrite Recording]

Continuous cyclic overwriting recording that is a must feature for surveillance recording.



[Solid State and Shock Resistant]

Rugged anodized aluminum housing, all solid state recording for shock resistant recording, no moving parts, no tape, no tangle of wires.

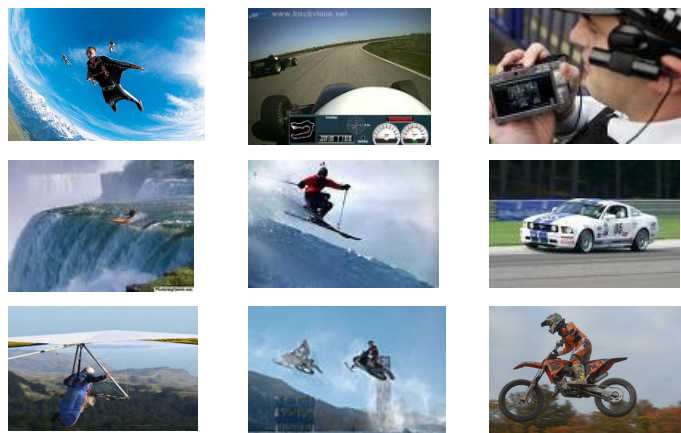


zowieTek

Perfect gear for all types of activities

As an on-board camera, helmet camera..., from personal to professional..., the latest generation and most powerful H.264 Action Bullet DVR system on market.

- ✓ *It doesn't matter whether you are on four wheels, two wheels, go-karting, on-road or off-road, the Bullet DVR can record your actual run, exactly as you experience.*
- ✓ *Whatever the sports, like bike, sky-diving, ski and whatever, the Bullet DVR can capture all the action from the player's point view.*
- ✓ *Perfect when hand free recording circumstances, like police patrol, security surveillance, spy, driving or industry inspection etc..*
- ✓ *It can be wear on head, mount on bike, helmet or vehicle.*
- ✓ *Virtually unlimited applications for small, light weight and flexible Micro DVR.*
- ✓ *Car record mode for taxi, bus and accident recording.*



Bullet DVR Pro with CS Mount Lens



*Bullet DVR and LANC Remote Control are sold separately.

[LANC Support]

Long LANC remote control makes it easy to store you DVR in safe place while focusing on your sport activities. Even when power off, you can wake up DVR and start recording with LANC.



[H.264 Encoder]

Support H264 is mostly used in consumer electronic market.



[High Quality Video]

Full D1, DVD quality video with maximum 3M-bits/s. The top quality on market.



[Adjustable Microphone Gain]

Both internal and external mono/stereo microphone gain is adjustable. So the DVR can pick up sound in various quiet or noise environments.



[Rugged]

Rugged aluminum bullet shape housing for any harsh environments.



[Laser Beam Level Alignment]

Bullet camera had with two laser level alignment can ensure you get the show each time.

[Hands Free Recording Anywhere]

Battery powered Bullet DVR make video recording anywhere possible. It can be mount in a car, motorcycle or just worn on you board or helmet.



[Interchangeable CS Mount Lens]

Fix and Zoom CS Lens for critical, creative application, more freedom of video shooting.



*CS Mount lens has different focal length for options.

2CH/3CH/4CH H264 Micro Pocket DVR

For Extreme Sports and Professionals



[Multiple Channel]

2, 3, 4 Channel customized DVR for various applica-



[Picture combination]

Video from different channel can be configured as QUAD, PIP, Split etc. It is very useful for car racing



[Lock Connector]

Lock connector is available for rigid and heavy duty



[Battery Powered DVR and CAM]

Battery powered DVR with lock camera make video recording anywhere possible. It can be mount in a car or motorcycle. It can power up to two bullet cam-



All-in-one Waterproof LANC Remote Control



One model for all cameras, one button for all functions. It makes one LANC remote control for DVR and all video cameras with a LANC connection and one button for all functions possible. There is no need to access the DVR or video camera buttons directly for recording and standby or power on/off.

Specifications

Camera Head	Optical	Image Device	1/3" Sony CCD
		Min. illumination	0.5Lux
		Built-in lens	F3.6mm/F2, other focal length optional
	Video	Number of pixel	PAL: (H)768x(V)582, NTSC: (H)778x(V)492
		Scanning System	PAL/NTSC
		Hori. Resolution	520 TV Lines
		White Balance	Auto
		S/N	>48db
		Electronic Shutter	PAL: 1/50~1/100,000s, NTSC: 1/60~1/100,000s
	Microphone	Sensitivity	>58db
		Impedance	2.2Kohm
		Directivity	Omni Directional
		Frequency	20-16,000Hz
Operation Voltage		2V	
Physical	Weather Proof	Yes	
	Length	1.2m, other length is optional	
	Head size	ø22x88mm	
Micro Pocket DVR	Video	Video Format	H264, Quick Time
		Resolution	PAL: 720x576@25fps, NTSC: 720x480-D1
		Bit Rate	0.5M-2Mbits/s VBR, 3Mbits/s Maximum
		Frame Rate	PAL: 25fps, NTSC: 30fps
		Record Quality	EP/LP/SP, 3 level adjustable
		Standard	PAL/NTSC/SECAM
		Picture	Brightness/Contrast/Saturation adjustable
	Audio	Sampling	48KHz
		Format	AAC
	Interface	Remote Control	IR, LANC
		Button	Rec, Stop and directional push buttons
		Video in	6pin lock connector, 1Vpp 75ohm
		Audio/MIC in	2 Channel, Mono or Stereo, Gain Adj., 3.5mm Jack
		Internal Microphone	-42db, Omni Directional, Gain Adj.
		Camera Power	5.5mm Power Ja0°C-40°Cck
		Visible	Multi-Color LED
		LANC	2.5mm LANC Jack
		Alert	Buzz, Motor Vibration Optional
		Ethernet	10/100 Base-T
		DC Power	4.2mm O.D. x 1.3mm I.D., DC Power
		LCD	2.4" TFT
		Power Off	Selectable auto shut down in 1/5/15 min.
	LCD Off	Selectable auto off in 5/15/30 min.	
	Power	AC Adapter	12VDC1A, 110-240VAC
		Battery	1x3.7V Li-polymer rechargeable battery, 3700mAh
		CAM DC	12V 250mA, 5-12V adjustable
	GPS	Frequency	L1 frequency, 51 channels
Update Rate		5Hz	
Antenna		2 meters with magnet at bottom	
G-Force	Accelerometer	+/-2g, +/-8g, Motion detection and G-Force	
Storage	SD Card	512MB-32GB	
	Format	FAT32	
Physical	Dimension	87x70x23.5mm	
	Weight	220g(with battery and CF)	
	Operating Temp.	0°C-40°C, -10°C-50°C for camera head	
2/3/4 CH	Video	Video In	4xRCA, 1Vpp 75ohm
		Video Out	1xRCA, 1Vpp 75ohm
	Power	AC Adapter	12VDC 1.5A, 110-240VAC
		Battery	1x7.4V Li-Polymer rechargeable battery, 4900mAh
		CAM DC	12V 350mA, 9-12V Adjustable
	Physical	Dimension	120x70x23.5mm
		Weight	290g (With battery and CF)

*GPS, G-Force, DIO and some other features are optional

*GPS, G-Force, DIO and some other features are optional

Recording Time[8GB]

Full D1

Quality	EP	LP	SP
Rec. Time	35h32m	17h46m	8h52m

*Actual recording varies with the contents of video. The longer the recording time, the larger CF card capacity. UQ mode has no audio.

Optional Accessories



Battery Pack



Beacon Receiver



Bullet Camera



Zoom Bullet



1CH CAM Cable



2CH CAM Cable



4CH CAM Cable



SD Cards



Car charger



DVR Holder



LANC Remote Control



LANC Adapter



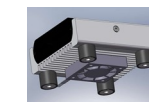
LANC Extension



Ext. Microphone



Ext. Stereo MIC



DVR Mount



Power Wire



DVR Kit

Some pictures on this brochure are simulated. Other brand name and product name may be trademarks or registered trademarks of their owners.

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Zowietek Electronics, Ltd

Zowietek's products comply with CE and RoHS.

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<http://www.zowietek.com>

HD Medical Video Recorder

H.264
MPEG-4/AVC



mediDVR

Easily record any medical video. It is high quality, feature-rich and affordable.

[HD/3G SDI and universal inputs]

Support HD, 3G SDI and various video inputs. It enables full range of video connectivity, compatibility and integration. Virtually it can connect to all video sources on market.

[Various Storage]

Record image and video on various storage, such as internal removable HDD, external USB HDD, USB Flash, SD card. All removable media include HDD make video storage and exchange most flexible.

[One Push Recording]

Foot switch, Hand Switch, button on from waterproof membrane panel and unique LANC remote control record control. LANC provide unique remote recording status feedback and cord extension accessory.

[LCD display and all input video loop preview]

On panel LCD for preview and configuration. Meanwhile all video inputs can also loop out to SDI for preview purpose at the same time of the recording.

[Crisp high quality video]

1080 line video using H264 or MPEG4 format can delivery extremely clear and detail images. A robust, the internal hard drive can store up to weeks continues HD videos without change disk.

[Simultaneous Stream Video while recording]

Ability to support live video streaming (RTSP) over a hospital network or the internet for surgical training, collaboration or remote diagnosis.

[Video bitrate]

Video bit rate up to 12Mbps



All universal interfaces in one MediDVR

It accepts a wide range of video interfaces and types: CVBS, YPbPr, DVI, VGA, S-Video, HD/3G SDI and HDMI.

✓ The MediDVR offer a solution for the operation room that can be sassily integrated with the latest HD surgical camera products.

✓ MediDVR 's HD video images can be used as documenting surgical procedures, referring physicians and education, it is also ideal for surgical training and collaboration.

✓ It an ideal combination for todays surgical recording workflow. The MediDVR offers the flexibility to simultaneously record video and loop monitor of the video. It also simultaneously record to removable disk and send live video streaming over the hospital network.

✓ The recorder can easily connected to the hospital network for archiving or offer live streaming of video recording to medical staff or student outside of the operating room. The compact size makes it an easy fit the surgical cart, and its intuitive fron panel design makes it simple to operate.

✓ It is suitable for use in hospital radiology and operating rooms, diagnostic imaging centers, surgical centers, clinics or integration with medical equipment like laparoscope.



Specification

Power	Supply	Voltage	AC 110-240V 50/60Hz, 3 prong AC Jack Medical grade power filter and supply
		Current	1A
Video and Photo	Codec	Resolution	1920x1080@25/30/50/60fps 1280x720@50/60fps , 480i/576i, 1080i@50/60fps SMPTE 296M/274M/292M, 425M/424M DVI/HDMI/VGA/YPbPr, all resolutions
		VGA	Upt to 1920x1200@60Hz
		Video Encoder	H.264/HP, MPEG-4/SP
		Bit Rate	Max. 12Mbps/s, 3 level adj., CBR/VBR
		Streaming	RTSP
		Photo	JPEG DICOM BMP
	Interface	Audio	AAC Stereo
		HD/3G SDI IN	1 x BNC, 75Ω, 800mVpp
		Component IN	3 x BNC, YPbPr, 75Ω
		VGA IN	1 x 15-pin DE via DVI/VGA Adapter
		DVI IN	1 x DVI-D
		CVBS IN	1 x BNC, 75ohm, 1Vpp
		S-VIDEO IN	1 x Mini DIN 4-pin,
		HDMI IN	1 x TYPE A, Receptacle
		SDI Loop OUT	HD/3G SDI, 75Ω, 800mVpp
		Preview OUT	1 x DVI-D, Receptacle
		Network	1 x RJ45, 10/100 Ethernet
		USB	3 x USB2.0, 1 x Front, 2 x Rear
		Remote Switch	1 x 3.5mm Jack, Footswitch / LANC
		Audio In	2CH, 2x3.5mm Jack, 20Kohm higher
Physical	Storage	Internal	2.5" STAT HDD Removable Back
		External	USB Flash Drive, USB HDD, SD
	Disk Format		FAT32, up to 2T
Physical	Environment	Size	320 x 166 x 110mm(12.6" x 6.5" x 4.3")
		Weight	2.98Kg (61b 7.7oz)(No HDD)
		Operating	0°C to 45°C(32°F to 113°F)
		Storage	-20°C to 60°C(-4°F to 140°F)

Certification : EN60601-1, IEC60601-1, FCC, CE

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Portable Medical Video Recorder



mediDVR

[HD/3G SDI and universal inputs]

Support HD, 3G SDI and various video inputs. It enables full range of video connectivity, compatibility and integration. Virtually it can connect to all video sources on market.

[Various Storage]

Record image and video on various storage, such as internal removable HDD, external USB HDD, USB Flash, SD card. All removable media include HDD make video storage and exchange most flexible.

[One Push Recording]

Foot switch, Hand Switch, button on from waterproof membrane panel and unique LANC remote control record control. LANC provide unique remote recording status feedback and cord extension accessory.

[LCD display and all input video loop preview]

On panel LCD for preview and configuration. Meanwhile all video inputs can also loop out to SDI for preview purpose at the same time of the recording.

[Crisp high quality video]

1080 line video using H264 or MPEG4 format can delivery extremely clear and detail images. A robust, the internal hard drive can store up to weeks continues HD videos without change disk.

[Simultaneous Stream Video while recording]

Ability to support live video streaming (RTSP) over a hospital network or the internet for surgical training, collaboration or remote diagnosis.

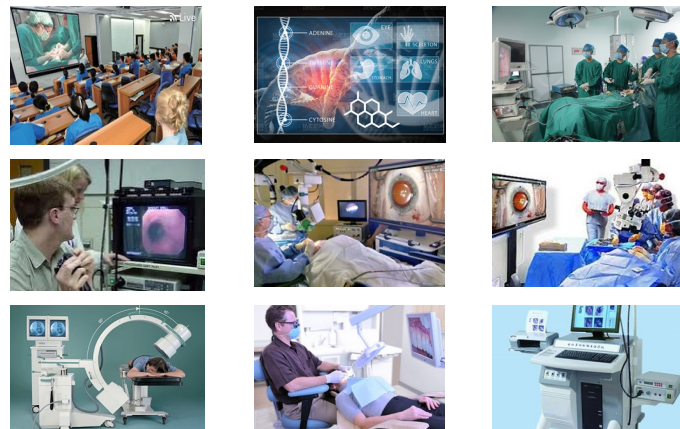
[Video bitrate]

Video bit rate up to 12Mbps



Record medical video anywhere and anytime

- ◆ Easily record crisp 1080p video and images
- ◆ 5hr standalone video recording
- ◆ High quality HD video in H.264 or MPEG4 format
- ◆ mp4, mov video format all supported
- ◆ Foot switch supported for remote control
- ◆ The video formats support most of video edit software
- ◆ Instant replay to preview monitor or LCD
- ◆ Simple to use, no special training required
- ◆ HDMI and SDI input
- ◆ Universal storage, works with all major USB Flash Drive, SD Card, USB HDD



Specification

Power	Supply	Voltage	AC 110-240V 50/60Hz, 12DC Medical Garde
		Current	2A
Video and Photo	Codec	Resolution	1920x1080@25/30/50/60fps 1280x720@50/60fps , 480i/576i, 1080i@50/60fps SMPTE 296M/274M/292M, 425M/424M
		Frame Rate	24/25/30fps, 50/60fps
		Video Encoder	H.264/HP, MPEG-4/SP
		Bit Rate	Max. 12Mbps/s, 3 level adj., CBR/VBR
		Streaming	RTSP
		Photo	JPEG DICOM BMP
		Audio	AAC Stereo
	Interface	HD/3G SDI IN	1 x BNC, 75Ω, 800mVpp
		DVI IN	1 x DVI-D
		HDMI IN	1 x TYPE A, Receptacle
		Preview	LCD
		SDI Loop OUT	Loop out HD/3G SDI , 75ohm, 800mVpp
		Audio In	2CH , 2x3.5mm Jack, 20Kohm higher
		Audio Out	2CH , 2x3.5mm Jack
		Network	1 x RJ45, 10/100 Ethernet
		Network Stack	RTSP
		USB	4x USB2.0
		SD	TF/MicroSD
		Alert	Buzz
		LCD	2.4" TFT for video preview
	Storage	External	USB Flash Drive , USB HDD , SD
		Disk Format	FAT32, up to 2T
Physical	Environment	Size	102x 82x 39mm(4" x 3.2" x 1.2")
		Weight	320g (11oz)
		Operating	0°C to 45°C(32°F to 113°F)
		Storage	-20°C to 60°C(-4°F to 140°F)

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Field Bonded Dual Video Streaming Encoder

H.264
MPEG-4/AVC



3G-SDI

[SDI/HDMI]

Two video camera video inputs can be supported at the same time. two videos can be live switched with creative collage without additional hardware. such as Picture in picture (PIP)



[Barcode scan]

Barcode scan then configuration with mobile phone. Local and remote management by mobile phone and PC



[One Push Recording]

Save live video into mp4 file on TF while live streaming



[LCD display and all input video loop preview]

Large 3.5" LCD touch screen display for video, status preview and configuration



[Crisp high quality video]

Advance hardware H.264 MP/HP video codec for highest stability



[Video bitrate]

Video bit rate up to 10Mbps



[Live broadcast platform]

Support YouTube, twitter, Facebook and Twitch etc



Web/mobile configuration and streaming anywhere and anytime

- ◆ Palm size, ultra small form-factor, light and portable for field live streaming.
- ◆ Propriety UMB bonding technology with high bandwidth efficiency, low latency. Up to 10mbits/s bonding video stream by encoder over 4. Up to 20mbits/s for bonding server.
- ◆ Large 3.5" LCD touch screen display for video, status preview and configuration
- ◆ Barcode scan then configuration with mobile phone. Local and remote management by mobile phone and PC
- ◆ Powerful and flexible OSD, text, logo and stamp can be support with easy-to-user configuration.
- ◆ Support YouTube, twitter, Facebook and Twitch etc.
- ◆ Save live video into mp4 file on TF while live streaming



Specification

Power	Power	In put	15DC, 1.6A
		Internal Battery	Lion, 8400mAH
Video and Photo	Video	Encoder	H.264/AVC MP/HP
		Resolution	1920x1080p@25/30/50/59.94/60, 1920x1080i50/59.94/60, 1280x720p@50/60,
		Bitrate	256k—10Mbps/s, CBR/VBR
		Frame Rate	25/30
		Latency	<200ms
		storage	mp4
		Streaming	RTMP, RTSP
		WIFI	802.11b/g/n/ac, 2.4/5.8GHz
		4G	LTE:FDD1/3/8, TDD38/39/40/41 USB 4G Dongle Optional
		LAN	100/1000Base-T
	Interface	Bonding	LAN+WIFI+3x4G, Simultaneous up to 5 Bonded forwardx9 RTMP pull
		SDI Input	1 x BNC, 75Ω, 800mVpp
		SDI Loop Out	1 x BNC, 75Ω, 800mVpp
		HDMI Out	1 x Mini HDMI
		HDMI Input	1 x Type A
		Audio Input	1 x 3.5mm Jack
		Audio Output	1 x 3.5mm Jack
		Ethernet	1 x RJ45
		4G/WIFI	1 x SMA/M, 1x SMA/F
		SIM	1 x Nano SIM Auto Eject
Physical	Management	Storage	1 x MicroSD/TF
		Sound	Buzz
		Indicator	LED
		Display	3.5" TFT LCD, Touch
Physical	Environment	Configuration	Mobile Phone/WeChat, mini-program
		WEB	LAN/WIFI by PC/Mobile Phone
		LCD	Touch menu and buttons
		Dimension	104 x 82 x 37mm(4.1" x 3.2" x 1.5")
Physical	Environment	Weight	431g (15.2oz)with battery
		Temperatur	0°C to 45°C(32°F to 113°F)

4G/WIFI Certification : TAC:2016-8610,NAL:17-5043-

83259,CCC2017011606980293,TAC:2016AJ7435

zowietek

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Bonding Dual Camera Streaming Encoder



[SDI/HDMI]

Two video camera video inputs can be supported at the same time. two videos can be live switched with creative collage without additional hardware. such as Picture in picture (PiP)



[Barcode scan]

Barcode scan then configuration with mobile phone. Local and remote management by mobile phone and PC



[One Push Recording]

Save live video into mp4 file on TF while live streaming



[Super clear resolution]

Support up to 1080P



[Crisp high quality video]

Advance hardware H.264 MP/HP video codec for highest stability



[Video bitrate]

Video bit rate up to 10Mbps



[Live broadcast platform]

Support YouTube, twitter, Facebook and Twitch etc

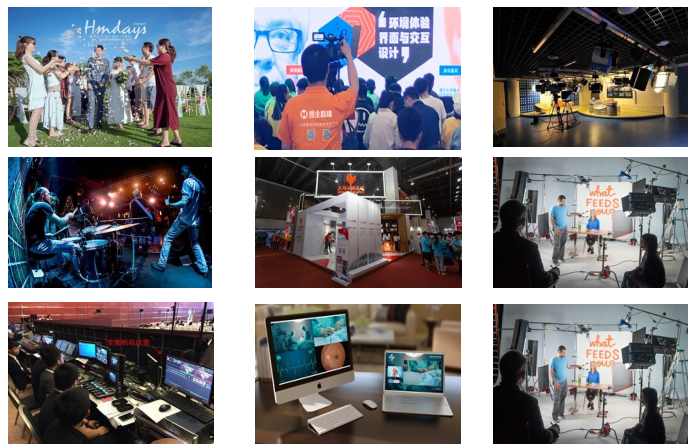


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Ultra Small and Light HDMI+SDI Live Collage, Adaptative Bonding

- Creative dual camera inputs, live collage switch and preview with 6 preset and 2 customized layout with easy-to-use drag and drop.
- Up to 4 aggregated connections, 2x4G + WIFI + LAN. Plug and Play.
- Barcode scan then configuration with mobile phone. Local and remote management by mobile phone and PC
- Advance hardware H.264 MP/HP video codec for highest stability
- AAC audio encoder with HDMI/SDI embedded audio support
- Save live video into mp4 file on TF while live streaming
- Powerful and flexible OSD, text, logo and stamp can be supported with easy-to-user configuration
- Support YouTube, twitter, Facebook and Twitch etc.
- Automatic dual input resolution, format detection, no professional setting required.



Specification

Power	Power	In put	15DC, 1.6A
		Internal Battery	Lion, 8400MAH
Video and Photo	Video	Encoder	H.264/AVC MP/HP
		Resolution	1920x1080p@25/30/50/59.94/60, 1920x1080i50/59.94/60, 1280x720p@50/60,
		Bitrate	256k—10Mbps/s, CBR/VBR
		Frame Rate	25/30
		Latency	<200ms
		storage	mp4
		Streaming	RTMP, RTSP
		WIFI	802.11b/g/n/ac, 2.4/5.8GHz
		4G	LTE:FDD1/3/8, TDD38/39/40/41 USB 4G Dongle Optional
		LAN	100/1000Base-T
		Bonding	LAN+WIFI+3x4G, Simultaneous up to 5 Bonded forwardx9 RTMP pull
	Interface	SDI Input	1 x BNC, 75Ω, 800mVpp
		SDI Loop Out	1 x BNC, 75Ω, 800mVpp
		HDMI Out	1 x Mini HDMI
		HDMI Input	1 x Type A
		Audio Input	1 x 3.5mm Jack
		Audio Output	1 x 3.5mm Jack
		Ethernet	1 x RJ45
		4G/WIFI	1 x SMA/M, 1x SMA/F
		SIM	1 x Nano SIM Auto Eject
		Storage	1 x Micro SD/TF
Physical	Management	Sound	Buzz
		Indicator	LED
		Display	HDMI Monitor
		Configuration	Mobile Phone/ WeChat , mini-program
Physical	Environment	WEB	LAN/WIFI by PC/Mobile Phone
		LCD	Touch menu and buttons
		Dimension	104 x 82 x 37mm(4.1" x 3.2" x 1.5")
		Weight	431g (15.2oz)with battery
Physical	Environment	Temperature	0°C to 45°C(32°F to 113°F)
		4G/WIFI Certification	TAC:2016-8610,NAL:17-5043-183259,CCC2017011606980293,TAC:2016AJ7435

Backpack 4G Bonded Dual Camera Video Streaming Encoder



[SDI/HDMI]

Two video camera video inputs can be supported at the same time. two videos can be live switched with creative collage without additional hardware. such as Picture in picture (PiP)



[Barcode scan]

Barcode scan then configuration with mobile phone. Local and remote management by mobile phone and PC



[One Push Recording]

Save live video into mp4 file on TF while live streaming



[LCD display and all input video loop preview]

Large 3.5" LCD touch screen display for video, status preview and configuration



[Crisp high quality video]

Advance hardware H.264 MP/HP video codec for highest stability



[Video bitrate]

Video bit rate up to 20Mbps



[Live broadcast platform]

Support YouTube, twitter, Facebook and Twitch etc



Ultra Small, Light and HDMI+SDI

Live Collage, Adaptative Bonding

- Creative dual camera inputs, live collage switch and preview with 6 preset and 2 customized layout with easy-to-use drag and drop.
- Up to 9 aggregated connections, up to 7x4G + WIFI + LAN. Plug and Play.
- Up to 10mbits/s bonding video stream by encoder over 4. Up to 20mbits/s for bonding server.
- Up to 9 streaming forward support by bonding server
- Large 3.5" LCD touch screen display for video, status preview and configuration
- Standalone up to 5hr+ for single and 2hr+ for bonded video streaming
- Barcode scan then configuration with mobile phone. Local and remote management by mobile phone and PC
- Save live video into mp4 file on TF while live streaming
- Powerful and flexible OSD, text, logo and stamp can be support with easy-to-use configuration.



Specification

Power	Power	In put	15DC, 1.6A
		Internal Battery	Lion, 8400mAh
Video and Photo	Video	Encoder	H.264/AVC MP/HP
		Resolution	1920x1080p@25/30/50/59.94/60, SD 1920x1080i50/59.94/60, 1280x720p@50/60
		Bitrate	256k—10Mbps/s, CBR/VBR
		Frame Rate	25/30 Auto
		Latency	<200ms
		storage	mp4
		Streaming	RTMP, RTSP
		WIFI	802.11b/g/n/ac, 2.4/5.8GHz
		4G	LTE:FDD1/3/8, TDD38/39/40/41 USB 4G Dongle Optional
		LAN	100/1000Base-T
		Bonding	LAN+WIFI+5x4G+2xUSB 4G, Simultaneous up to 9 Bonded forwardx9 , RTMP pull
	Interface	SDI Input	1 x BNC, 75Ω, 800mVpp
		SDI Loop Out	1 x BNC, 75Ω, 800mVpp
		HDMI Out	1 x Mini HDMI
		HDMI Input	1 x Type A
		Audio Input	1 x 3.5mm Jack
		Audio Output	1 x 3.5mm Jack
		Ethernet	1 x RJ45
		4G/WIFI	5 x SMA/M,1x SMA/F
		SIM	1 x Nano SIM Auto Eject , 4x Nano SIM Tray
		Storage	1 x MicroSD/TF
		Sound	Buzz
		Indicator	LED
		Display	3.5" TFT LCD, Touch
	Management	Configuration	Mobile Phone/WeChat mini-program
		WEB	LAN/WIFI by PC/Mobile Phone
		LCD	Touch menu and buttons
Physical	Environment	Dimension	104 x 82 x 55mm(4.1" x 3.2" x 2.1")
		Weight	543g (19.2oz)with battery
		Temperatur	0°C to 45°C(32°F to 113°F)

4G/WIFI Certification : TAC:2016-8610,NAL:17-5043-

183259,CCC2017011606980293,TAC:2016AJ7435