

1CH Micro Pocket DVR

For Extreme Sports and Professionals



Advanced features makes Micro Pocket DVR record video any time, any time 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, skydiving, 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 10Mbits/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 and surveillance applications.

[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-10Mbps/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	8pin 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
2/3/4 CH	GPS	Frequency	L1 frequency, 51 channels
		Update Rate	5Hz
	G-Force	Antenna	2 meters with magnet at bottom
		Accelerometer	±2g, ±4g, 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
	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
	Physical	Weight	290g (With battery and CF)

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

Recording Time[8GB]

Full D1 Resolution

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



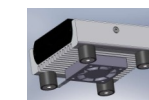
LANC Extension



Ext. Microphone



Ext. Stereo MIC



DVR Mount



Power Wire



DVR Kit

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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, any time 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]

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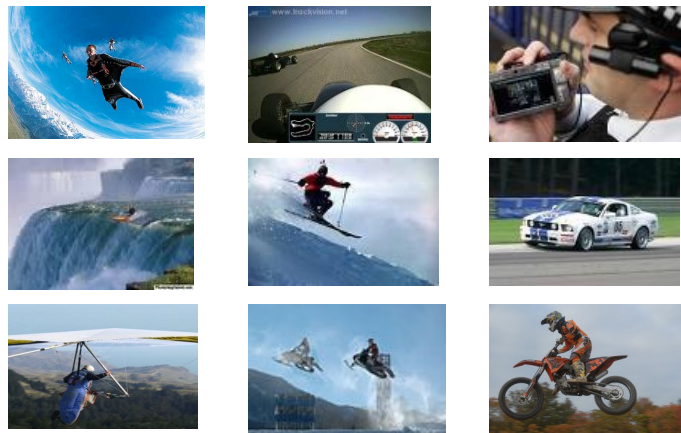


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- ✓ *Virtually unlimited applications for small, light weight and flexible Micro DVR.*
- ✓ *Instant playback of recording ready for editing or burn to DVD on PC.*
- ✓ *Car record mode for taxi, bus and accident recording*
- ✓ *Low power for longest recording time during activities.*



*DVR and bullet camera are sold separately.

[LANC Support]

Long LANC remote control makes it easy to store 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.



[H264 Codec]

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



[High Quality Video]

Full D1, DVD quality video with maximum 3Mbits/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.



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

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*Not released yet

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		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	
Physical	Operation Voltage	2V	
	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	1M-2Mbps/s
		Frame Rate	PAL: 25fps, NTSC: 30fps
		Record Quality	LP/SP/HQ, 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.
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	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, +/-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
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1CH CAM Cable



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4CH CAM Cable



SD Cards



Car charger



DVR Holder



LANC Remote Control



LANC Adapter



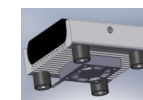
LANC Extension



Ext. Microphone



Ext. Stereo MIC



DVR Mount



Power Wire



DVR Kit

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Zowietek's products comply
with CE and RoHS.

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