

POCKET VIDEOSCOPE

Record Borescope video and audio anytime, anywhere in pocket

Pocket Videoscope, with internal solid state Digital Video Recorder (DVR), is one dedicated battery powered video type Borescope with DVR, designed for portable and mobile Borescope applications. It is a go-anywhere mini-standalone Videoscope with high resolution, DVD quality video and professional Borescope probe. The Videoscope can record the inspection video on solid state drives. The record time is dependent on the capacity of CF card. Generally, there are six level record modes, LQ/EP/LP/SP/HQ/UQ for record options. Features easy to use, convenient design, with the ability to separate the probe and base unit.

The Videoscope is an advanced type of video Borescope, it has 7mm diameter flexible probe. A 1/18" color CMOS video camera chip embedded into the tip of probe. Four super strength white LED light source make every detail of the target, like crack and bumping mark, will be illuminated. The probe can get through the narrow space and is oil and water proof while maintain the camera in high image resolution. The image is rich in detail and quality, superior to a traditional fiberscope or borescope. Captured video files of inspections can be for further analysis and reference.

A professional Borescope is designed for professionals. You can operate the Videoscope accurately and rapidly. The Videoscope is small enough to fit in your hand and offer broadcast quality video. It stores video on solid state drive, removable Compact Flash Card. There are various CF cards for option now in market. FAT32 standard file system is used in video storage, therefore the video files can be accessed by any PC via card reader or PCMCIA interface. The video can also be downloaded to PC via LAN cable.

The Videoscope comes with Industrial Lion battery for standalone power. It can work and record for 3 hours continuously after fully charged. It will be charged automatically by on board charger while AC power is used. Car cigarette power adapter can also be used to power it or charge Lion battery. LANC and IR remote control are available.

The pocket Videoscope can be used in almost unlimited number of inspection and observation situations which beyond human eyes, like pipe inspection, spark plug, hole of gasoline, diesel engine, depth of wall, drain and vent pipe etc.



Features:

- ◆ Record high quality video and audio of Borescope in spot
- ◆ Battery powered for portable, mobile Borescope applications
- ◆ 7mm diameter probe with extra wide view angle
- ◆ 4 super strength high brightness LED light source
- ◆ Color, precise and sharp image
- ◆ Oil, water and scratch resistant while main high resolution
- ◆ Probe can be twisted in various direction
- ◆ DVD quality video with maxim bit rate 10Mbit/s
- ◆ Frame Rate : PAL(25fps), NTSC(30fps)
- ◆ Resolution : Full-D1(PAL:720x576/NTSC:720x480)
- ◆ Palm sized Videoscope for portable applications
- ◆ Long duty hour equipped with high capacity Lion battery
- ◆ Ethernet connection as Video Server and video download
- ◆ LANC remote control and IR remote interface
- ◆ AC adapter or Internal Lion Recharge Battery
- ◆ On-board battery charge circuit
- ◆ Record on removable CF Flash Card
- ◆ No moving parts, no tape
- ◆ Multi-Color LED for visible status
- ◆ Time and date stamp and OSD
- ◆ Only 280g weight with battery and CF card
- ◆ Video/Stereo Audio and MIC, adjustable gain
- ◆ Linux OS and upgradeable firmware
- ◆ Support Windows 98/ME/NT/2000/XP/Vista for Playback



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Power :

AC Adapter : 12VDC 2A, 110-240VAC Adapter
 Internal Battery : 1x3.7V Lion polymer battery, 3500mAH.
 Probe Power : 12V 300mA output max., 5-12V optional
 Consumption : ~400mA at 12VDC while recording

Video :

Video Stream : MPEG-4/2
 Resolution : Full-D1 - PAL:720x576, NTSC:720x480
 Bit Rate : 1M-10Mbps, six level adjustable
 Circular recording
 Frame Rate : PAL(25fps), NTSC(30fps)
 GOP : IP, IBP, IBBP
 Standard : PAL/NTSC/SECAM, Composite
 Picture : Brightness/Contrast/Saturation Adj.

Audio :

Sampling : 48KHz, 16bits
 Format : PCM/ADPCM
 Channels : 2, Gain adjustable
 MIC : 2.2VDC Bias, 2.2Kohm, <0.7V_{RMS} Max.
 On-board MIC, Gain adj.

Interface :

Probe : Amphenol 4pin
 Power : 4.2mm O.D. x 1.3mm I.D.,
 DC Power Jack
 LANC Control : 2.5mm LANC
 Button : Record, Stop push button
 Remote Control : IR onboard or external beacon receiver
 Visible : Multi-color LED
 Ethernet : 10/100 Base-T Ethernet, RJ-45
 LCD : 2.4" TFT LCD
 Motion Detection : Video

Probe :

Power : 5-12V, 65mA
 TV System : NTSC, 30fps
 Sensing Area : 0.820mm(H) x 0.625mm(V)
 Dynamic Pixels : 328(H)x240(V)
 Min. Illumination : 2.0Lux/F1.2
 Lens : 0.97mm/F3.0
 Lens Angle: : Vertical:34.0°, Horizontal: 45.2°
 Diagonal: 56.0°
 Length : 1.20meters
 Temperature: : 0° ~ 50°C RH95% Max

Software :

Firmware : Upgradeable, Linux OS.
 Desktop: : Synchronize Desktop Utility

Storage :

CF Card : 512MB-32GB expandable
 Disk Format : FAT32

Configuration :

LCD : LCD Menu on board or TV
 PC : Via CF card or Ethernet

System requirements (Playback):

- 1GHz 32bit processor or above
- RAM: 512MB above
- HDD: 2GB free disk space
- USB 2.0 Interface or Express Card
- USB 2.0 or Express Card Flash Card Reader
- Monitor resolution: 1024x768
- Ethernet Port
- DirectX 9.0c support
- OS: Windows 2000(SP4)/XP(SP2)/Vista

Physical and Environment

Size: :87x70x23.5mm (Include battery)
 :Sand blast black aluminum
 :with Belt Clip
 Wight: :280g (Include battery, no probe)
 Temp. :0°C to 40°C in flow air and shadow

Accessories

AC Power Adapter, LANC Remote Control.
 *Accessories is optional and sold separately.



* All specifications are subject to change without notice.
 * Accessory supply may be different for different market.
 * Actual object may differ from what you see from our catalog.