

COLOR CMOS CAMERA MODULE

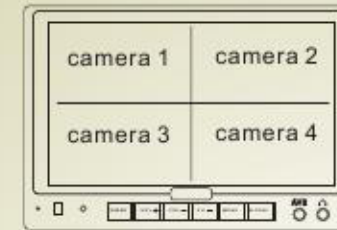
Item	Technical Specification	Technical Specification
Image Device	V-MT9V011+VC0703PLEB / VC0702D	1/4" PC 1030N
TV System	PAL/NTSC	PAL/NTSC
Effective Pixels	640 x 480	648 x 488
Sensing Area(mm)	3.58 x 2.69	3.6 x 2.7
Sync. System	Internal	Internal
Resolution(TV Lines)	420	420
Minimum Illumination(Lux/F1.2)	0.3(day) / 0 (with IR)	0.3(day) / 0 (with IR)
Video Output	1.0Vp-p, 75Ohm	1.0Vp-p, 75Ohm
Gamma Correction	0.45	0.45
AGC	Auto	Auto
S/N Ratio	Better than 48dB	Better than 48dB
White Balance	Auto	Auto
Electronic Shutter(Seconds)	1/50-12.5 μ (PAL) / 1/60-12 μ (NTSC)	1/50-12.5μ(PAL) / 1/60-12μ (NTSC)
BLC	Auto	Auto
Current Consumption	Max. 70mA	Max. 300mA
Power Supply(VDC)	12V	12V
Operating Temperature	-20°C~+60°C RH95% Max.	-20°C~+70°C RH95% Max.
Storage Temperature	-40°C~+80°C RH95% Max.	-30°C~+80°C RH95% Max.
Lens	f=1.75mm	f=2.5mm, 2.0mm
Lens Angle	180°	120°

B / W CMOS CAMERA MODULE

B / W CCD CAMERA MODULE

Item	Technical Specification	Item	Technical Specification
Image Device	OV5116	Image Device	1/3" LG CCD
TV System	CCIR / EIA	TV System	CCIR / EIA
Effective Pixels	352 x 288 / 320 x 240	Effective Pixels	500 x 582 / 510 x 492
Sensing Area(mm)	3.2 x 2.5	Sensing Area(mm)	4.9 x 3.7
Scanning System	2:1Interlace	Scanning System	2:1Interlace
Sync. System	Internal	Sync. System	Internal
Resolution(TV Lines)	240	Resolution(TV Lines)	420
Horizontal Sync. Frequency	15.625KHz / 15.734KHz	Horizontal Sync. Frequency	15.625KHz / 15.734KHz
Vertical Sync. Frequency	50Hz / 60Hz	Vertical Sync. Frequency	50Hz / 60Hz
Minimum Illumination(Lux/F1.2)	0.5(day) / 0 (with IR)	Minimum Illumination(Lux/F1.2)	0.05(day) / 0 (with IR)
Video Output	1.0Vp-p, 75Ohm	Video Output	1.0Vp-p, 75Ohm
Gamma Correction	0.45	Gamma Correction	0.45
AGC	Auto	AGC	Auto
S/N Ratio	Better than 46dB	S/N Ratio	Better than 48dB
White Balance	Auto	White Balance	Auto
Electronic Shutter(Seconds)	1/60(CCIR) / 1/50(EIA) ~ 1/6,000	Electronic Shutter(Seconds)	1/60(CCIR) / 1/50(EIA) ~ 1/10,000
BLC	Auto	BLC	Auto
Current Consumption	Max. 30mA	Current Consumption	Max. 90mA
Power Supply(VDC)	12V	Power Supply(VDC)	12V
Operating Temperature	-10°C~+45°C RH95% Max.	Operating Temperature	-10°C~+55°C or 60°C RH95% Max.
Storage Temperature	-30°C~+60°C RH95% Max.	Storage Temperature	-20°C~+60°C, RH95% Max.
Lens	f=3.6mm	Lens	f=3.6mm, 2.8mm
Lens Angle	69°	Lens Angle	92°, 120°

IMAGE PROCESSING SERIES



Monitor



Image Processing Series

Digital video recorders	23 - 24
Multiplexers	25
Specialized cameras	26

DV-377



4CH Mobile DVR

- ▶ Support 1 SD card(max. 32G)
- ▶ 4CH x D1 (720 x 576 / 720 x 480)
- ▶ GPS tracking(optional)
- ▶ Power: 8~32V
- ▶ Compression format: H.264 high profile
- ▶ 3 alarm inputs; auto switch to the working channel through trigger wires
- ▶ Power-on recording, alarm recording, motion detection recording

DV-375



4CH Mobile DVR

- ▶ Support 1 SD card(max.32GB)
- ▶ 4CH x D1(720x576 / 720x480)
- ▶ GPS tracking(optional)
- ▶ Power: 8~32V
- ▶ Compression format: H.264 high profile
- ▶ 4 alarm inputs

DV-373



1CH Mobile DVR

- ▶ Support 1 SD card(max.32GB)
- ▶ 1CH x D1(720x576 / 720x480)
- ▶ Power: 10~32V
- ▶ Compression format: MPEG4
- ▶ Power-on recording

DV-366



4CH Mobile DVR

- ▶ Standalone operating , anti-vibration HDD
- ▶ Display,record and refresh simultaneously
- ▶ 1CH Audio Input / Output
- ▶ Frame Recording & Quad Recording
- ▶ Compatible of NTSC / PAL format
- ▶ Advanced MJPEG
- ▶ Search by Time / Date / Event
- ▶ HDD condition Indicator
- ▶ P.T.Z control

DV-370



4 Channels Mobile DVR

- ▶ H.264 high profile compression format
- ▶ 4xD1 (720x576 / 720x480) real time record
- ▶ Simultaneous 4-channel video / audio recording
- ▶ Wide range of power input: 8V~32V
- ▶ External IR receiver for easier operation
- ▶ Convenient 4pin din connection
- ▶ Exceptional anti-vibration ability
- ▶ Data Storage: 2.5" hard disk (max. 500G); SD card (max. 32G); USB port for connection to mass storage device

DV-372



4CH/8CH/16CH CCTV DVR For Security

- ▶ Real time operation system
- ▶ HDD interface: 2 SATA interfaces, support 48bit LBA
- ▶ Multi-functional IR remote control, PS/2 mouse, serial port control keyboard
- ▶ Support data backup function
- ▶ RJ 45 10M/100M ethernet interface

DV-378



Driving Recording System with 2.0" LTPS TFT LCD

- ▶ 720P high-definition recording; HDMI output
- ▶ Support SD card(32 GB)
- ▶ Automatically record when power on
- ▶ Continuously record for 15s after power off
- ▶ 120 degree view-angle
- ▶ High-vision with infrared LED light
- ▶ Lens can be adjusted up-and- down for 30°
- ▶ Screen can be reversed for 180°

DV-379



Driving Recording System with 2.0" LTPS TFT LCD

- ▶ 1920 x 1080 high-definition recording
- ▶ Support mini SD card(32 GB)
- ▶ Automatically record when power on
- ▶ Continuously record for 15s after power off
- ▶ 180 degree view-angle
- ▶ High-vision with LED fill-in light
- ▶ HDMI/TV output
- ▶ Screen can be reversed for 270°
- ▶ Lens can be reversed for 180°

DV-420



Dual Camera Portable Car Camcorder With 2.0" Ltps Tft Lcd

- ▶ Dual-lens recording simultaneously
- ▶ Front and back housing with IR lights for night vision
- ▶ Front lens with 180° rotation angle and 270° rotatable screen, 120° viewing angle
- ▶ Bootstrap and looping recording

MU-317



2-CH Multiplexer

- ▶ 2 camera inputs and 1 AV output
- ▶ Power supply: DC 12V~32V
- ▶ Auto switch to the working camera in full screen
- ▶ Trigger priority: camera 1
- ▶ Audio output can be selected from camera 1 / 2
- ▶ Power short circuit protection

MU-318



4-CH Multiplexer

- ▶ Single, dual, triple, quad image and PIP functions available
- ▶ 1AV input, 4 camera inputs and 2 video outputs
- ▶ Auto switch to the working camera in full screen
- ▶ Each camera can be setup separately
- ▶ Operate from 12~32V

ZE-414



1.3 Mega Pixels Dental Camera

- ▶ 1.3 mega pixels.
- ▶ USB 2.0 high speed port
- ▶ Real-time display.
- ▶ Applicable for detection of teeth, hair, skin, etc
- ▶ Compact size
- ▶ Easy operating



ZM-398



Portable Microscope

- ▶ 1.3 mega pixels
- ▶ Magnification Ratio: 50x and 200x
- ▶ Power Supply: 5V from USB port



VB-550



USB inspection camera

- ▶ PE covered tube with ABS handler
- ▶ Flexible Tube
- ▶ USB Cable Connection
- ▶ Snapshot Buttons
- ▶ Built-in 6 pcs adjustable white LED lights at the water-resistant camera head

VB-399



Portable Industrial Endoscope

- ▶ Function: photo, video, memory, audio record etc.
- ▶ 3.5" TFT LCD Monitor
- ▶ Lens: 10mm (5.5mm, 8.5mm Optional)
- ▶ Removable Tube Dia: 6.8mm (5.5mm Optional)
- ▶ Tube length: 1000mm
- ▶ View angle 54°
- ▶ 4 Adjustable LED lights
- ▶ SD card (to 32GB SDHC)

VB-397



Video Borescope

- ▶ Color camera of high resolution and compact size
- ▶ 2.4" color monitor
- ▶ Water-resistant IP67 camera head
- ▶ Real-time display
- ▶ The optimized illuminant design can illuminate every crack and burning mark on a high reflective surface

