

PARABIT

Enhancing Self-Service & Improving Security

Anti-Tamper Resistant
Phones

Telephone Access

Building Access

Cameras & DVR'S

Kiosks Light Sensor

ATM Toppers

Welcome Centers

Surrounds

Digital Signage

High Resolution Security Camera Systems / HD Series
www.parabit.com

revised as of 5/18/12

x22 MORE DETAIL than
Conventional CCTV Camera



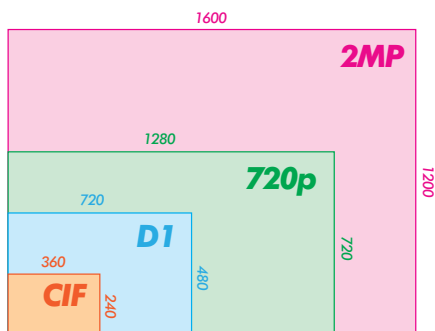
Service CVBS video output for
Easy angle and focus adjustment with your
Hand-held test monitor



External Lens Control



Cable Connection



Video size comparison

CA-BU-2MEGV-IR65 2 Mega Pixel Weather-Proof IR Network Camera

This is a 2M-Pixel CMOS IP camera with the web server built in. User can view real-time video via IE browser. It supports H.264, JPEG and MPEG4(3GPP Only) video compression which provides smooth and high video quality. The video can be stored in the SD card and playback remotely. With user friendly interface, it is an easy-to-use IP camera which is designed for security application.

- Support video out
- High Definition 30FPS support(720P)
- IP66
- 2M-Pixel CMOS Sensor
- Power over Ethernet available
- IR LED Built in 20M available
- Mechanism IR Cut Filter Available
- H.264/ MJPEG/ MPEG4 (3GPP Only) Compression Format
- SD Card backup
- 2-way audio
- Support Cell phone/PDA/3GPP
- SDK for Software Integration
- Free Bundle 36 Channel Recording Software

Hardware	
CPU	ARM 9 ,32 bit RISC
RAM	256MB
Flash	16MB
Image Sensor	1/3" CMOS(2M-Pixel)
Support DC IRIS	Yes
Lens Type	Vari-focal 3.6~16mm Lens
ICR	Mechanism IR cut Filter
LED	Built-in 35 IR LED / IR Distance-20M
I/O	1 in/ 1 Relay Out
Video Out	x1
Audio In / Out	x1 each
Power over Ethernet	Yes (Optional)
Power Consumption	DC 12V
Dimensions	Ø 83mm xH 180mm
Network	
Ethernet	10 / 100 Base-T
Network Protocol	HTTP, TCP/IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP
System	
Video Resolution	1600×1200, 1280×1024, 1280×960, 1280×720, 800×600, 640×480, 320×240, 176×144
Video Adjust	Brightness, Contrast, Sharpness, BLC, Night Mode
Triple Streaming	Yes
Image Snapshot	Yes
Full Screen Monitoring	Yes
Privacy Mask	Yes, 3 different areas
Compression Format	H.264/ JPEG/ MPEG4 (3GPP only)
Video Bitrates Adjust	CBR, VBR
Motion Detection	Yes, 3 different areas
Triggered Action	Mail, FTP, Save to SD card, Relay
Pre/ Post Alarm	Yes, configurable
Security	Password protection
Firmware Upgrade	HTTP mode, can be upgraded remotely
Simultaneous Connection	Up to 10
Audio	Yes, 2-way
SD card management	
Recording Trigger	Motion Detection, IP check, Network break down (wire only), Schedule, Relay
Video Format	AVI, JPEG
Video Playback	Yes
Delete Files	Yes
Web browsing requirement	
OS	Windows 2000, XP, 2003, Microsoft IE 6.0 or above
Recommended hardware requirement for client	Intel Dual Core 1.66Ghz or higher / RAM > 1024MB, Graphic card: 128MB

CA-BU-2MEGV-IR65

2 Mega Pixel Network Camera / Weather-Proof
Vandal-Proof / Auto IR-Cut Filter Removal / H.264 CODEC
3.6~12mm Auto-Iris Varifocal Lens / DC 12V or PoE / 35 IR LED



**2 MEGA
PIXEL**

CA-DM-2MEGV-IR 2 Mega Pixel Weather-Proof IR Network Camera

x5 MORE DETAIL than
Conventional CCTV Camera

- 2 Mega Pixel sensor
- With high-definition 2 mega pixel (1600 x 1200) resolution
- 720P HD+VGA dual streaming real time
- H.264/ MJPEG dual CODEC simultaneously
- Infrared LED for night time
- IR-cut filter auto removal for best IR performance
- 3 Axis Dome Construction
- Ideal for outdoor installation. Weather/Vandalproof
- Metal Dome case with poly-carbonated cover

Camera

Sensor 2 Mega Pixel CMOS sensor
Scan Method Progressive
Lens 4.3mm or 6mm , F1.8
Number of Effective Pixel (H*V) 1600x1200
Minimum Illumination 1Lux (AT 10 IRE F1.8 Lens) 71db
SNR(max) 42.3db
Auto White Balance Yes
Auto Gain Control Yes
Backlight Compensation on/off
Noise Reduction yes
Electronic Shutter & Manual Shutter Auto, Slow Shutter(2X~32x)
Pan Coverage 20° (-10°~+10°)

Video

Video Compression MJPEG and H.264 Dual codec, dual streaming (720P/30FPS+VGA/30FPS), multiple profiles, 3GPP)
Video frame rate Dual Streaming (720P/30FPS+VGA/30FPS)
Resolution H.264 : HD(1280x 720) / D1/ CIF / QCIF
MJPEG: 1600x1200 / 1280x720 / 800x600 / D1 / CIF / QCIF
Bit rate control 16kbps ~ 4Mbps
Digital Zoom (PC side) Yes, x 1/2, x 2, x 4
Image Rotation (PC side) Mirror
DNR Yes

Protocol Supported

Streaming Protocols:
RTSP / RTP / UDP / RTSP / RTP / TCP / RTSP / RTP / HTTP tunneling, LAN multicast
Other protocols IPv4, HTTP, TCP, ICMP, QoS, DHCP, NTP, SMTP, FTP, UPnP, PPPOE, DNS, DDNS

Processors and Memory

CPU ARM9 SOC
Flash and Memory 8MB NOR flash, 64MB SDRAM
16MB ROM, 256MB DDR II RAM
I/O and connectors
Reset to Factory default Button
LAN RJ-45 connector

Software

Browser Internet Explorer 6.0 or above
Application Software VMS-64 application software
OS supported Microsoft Windows 2000, XP , Vista, Windows 7

ETC

Power DC 12V
DC 12V / POE
Dimensions Ø 144mm X 144mm
Operating temperature -10°C~ 45°C
Storage temperature -20°C~ 70°C
Humidity 0% ~ 90% non-condensing
Approvals CE, FCC Class A, RoHS

HDSDI! STUNNING FULL HD @1080p



HDD / DVD Burner installation available upon request / USB Mouse Included



See Remote video on your
SMART PHONES

iPhone
 BlackBerry
 Windows Mobile



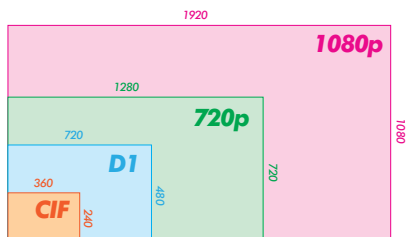
Works on your
Mac Computer

ADVANTAGE OF USING HD-SDI

You are able to use pre-existing cables. Easy to configure. Absolutely, NO networking knowledge required for camera installation.

WHAT IS HD-SDI?

To put it simple, instead of sending analog signal over coaxial cable, it sends HD digital video signal.



Video Size Comparison

- CA-DVR-HD-4 Ch HD-SDI (60fps @ 720p / 30fps)
- CA-DVR-HD-8 8Ch HD-SDI (120fps @ 720p / 60fps)
- CA-DVR-HD-16 16Ch HD-SDI (112fps @ 1080p/720p Recording)

- HD SDI FOR 1080p RESOLUTION
- REALTIME FULL HD RECORDING
- HDMI OUTPUT FOR SHARP AND CLEAR LIVE VIEW ON A FULL HD(1080p) SCREEN
- H.264® HIGH COMPRESSION CODEC
- DUAL VIDEO STREAM - BLAZING FAST REMOTE VIEW
- INDIVIDUAL AUDIO IN, PROGRAMMABLE ALARM IN & OUT FOR A VIDEO CHANNEL
- JOG SHUTTLE FOR EASY PLAYBACK CONTROL
- CLIENT WORKS ON WINDOWS 7
- SEARCH & CONTROL PTZ ON YOUR MOBILE PHONE



PROSDI-04 records the videos from HD-SDI cameras by coaxial cable in Full HD Resolution. It is also able to provide real-time HD (1080p or 720p) live and playback images. PROSDI-04 series will be the best choice for any place which needs precise monitoring such as banks or casinos

- | | | |
|--|---|---|
| <ul style="list-style-type: none"> • H.264 Compression (Main Profile) • 16/8/4 HD-SDI Video Input (720p or 1080p) • HD Real-time (Max. 112/60/30 per Channel) Recording & playback • HDMI & VGA Output Full HD (Max. 1,920 x 1,080) • Multi Channel Display & Menu Control in Spot Monitor • Picture Quality : Utmost graphic, respectively comparing its picture size • Mobile View on 3G Device : iPhone / Blackberry / Android / MS Windows Mobile • Dual Stream : Optimize network transfer speed • POS text insertion (Patent Pending) : Displaying & Recording Transaction Data from POS • User Friendly GUI : Flexible, Easy and Convenient • Advanced CMS Software : Convenient and Versatile Software • S.M.A.R.T : Self Monitoring Analysis and Reporting | <p>Technology</p> <ul style="list-style-type: none"> • e-SATA Storage expand up to 16TB • Up to X 64 Channel Display • Remote Multi Site Control • Remote PTZ Control • Health Check System • Remote Setup (Configuration) • Remote Event Search Engine • Remote Date/Time Search Engine • 2-Way Audio (Bidirectional) • Local Recording (NVR Function) & Playback • Local Playback • Archiving (EXE/JPEG File Format) • Remote Alarm Out Control - Local Audio Out Volume Control - Local Account • Remote Log Display • Remote Camera Color Adjustment | <ul style="list-style-type: none"> • WCS (Watermark Check System) • EXE to AVI Converter • E-MAP • Keyboard Controller • Remote S/W Upgrade • Estimator (Calculate the estimated time of recording) |
|--|---|---|

	CA-DVR-HD-16	CA-DVR-HD-8	CA-DVR-HD-4
Compression	H.264 (Main Profile)		
Signal Format	HD-SDI (720p)		
Video Input	16 HD-SDI (1080p, 1080i or 720p)	8 HD-SDI (1080p, 1080i or 720p)	4 HD-SDI (1080p, 1080i or 720p)
VGA / HDMI Output	1 VGA / 1 HDMI (Max. 1920x1080p, Various Resolution)		
Recording Rate Max.	112fps@720p Max. 112fps@1080p	Max. 120fps@720p Max. 60fps@1080p	Max. 60fps@720p Max. 30fps@1080p
Dual Stream	Selectable		
Audio Compression	ADPCM (16 Bit)		
Audio Input	16 Inputs (RCA Jack)	8 Inputs (RCA Jack)	4 Inputs (RCA Jack)
Audio Output	1 Output (RCA Jack)		
Ethernet	10 / 100 / 1000 Mbps Ethernet (RJ-45)		
PTZ Control	RS-485/422 Serial Port 1 (Terminal Block)		
POS	4		
Alarm Input	16 (TTL) Programmable as NC/NO	8 (TTL) Programmable as NC/NO	4 (TTL) Programmable as NC/NO
Alarm Output	16 (TTL) Programmable as NC/NO	8 (TTL) Programmable as NC/NO	4 (TTL) Programmable as NC/NO
USB Port	4 x USB (2 x Front Panel, 2 x Rear Panel)		
Recording Qualities	Super / High / Standard		
Recording Modes	Continuous / Alarm / Motion / Emergency		
Pre-Alarm Recording	up to 3 Hours / User Programmable		
Motion Detection	Yes (22 X 15)		
Playback Speed	X1, X2, X4, X8, X16, X32, X64, Extreme		
Archive File Format	EXE (Video Clip) / JPEG (Still Image)		
NTP Server	Yes		
GMT Time Zone	Yes		
Auto DST	Yes		
Multi Language	English / Danish / Chinese (Traditional) / Japanese / Korean / Italian / Polish / Russian / Chinese (Simplified) / Thai / Turkish / Spanish / French / Czech / German / Persian / Portuguese / Croatian / Arabic		
3G Communication	iPad / iPhone / Android / Blackberry / MS Mobile		
Operating System	Embedded Linux		
OS Firmware	Linux OS in Flash Memory		
Emergency Recording Key	Yes		
Primary Storage	SATA Hard Disk Drive (up to 3+1)		
Clip Copy Storage	DVD-RW, Memory Stick (not included)		
Dimension(WxHxD)	4CH : 430 mm x 88 mm x 380 mm / 16.93 inch x 3.46 inch x 14.96 inch 8 / 16CH : 430 mm x 88 mm x 430 mm / 16.93 inch x 3.46 inch x 16.93 inch		
Operating Temperature	5°C~40°C / 41°F~104°F		
Operating Humidity	0% ~ 90%		
Power Adapter	100 to 240 VAC, 1/2A, 50~60 Hz, Internal 250W	Free Voltage 12VDC, 6.67A	
Power Consumption	95W	80W	51W
Agency Approval	FCC / CE / UL (NRTL)		



CA-BX-2MEG

2 Mega Pixel Weather-Proof IR Network Camera

- 2 Mega Pixel sensor
- With high-definition 2 mega pixel (1600 x 1200) resolution
- 720P HD+VGA dual streaming real time
- H.264/ MJPEG dual CODEC simultaneously
- IR-cut filter auto removal for best IR performance
- ONVIF Compatibility

2 MEGA PIXEL

x22 MORE DETAIL than
Conventional CCTV Camera



Video Size Comparison

Camera

Sensor 2 Mega Pixel CMOS sensor
Scan Method Progressive
Number of Effective Pixel (H*V) 1600x1200
Minimum Illumination 1Lux (AT 10 IRE F1.8 Lens) 71db
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Resolution H.264 : HD(1280x 720) / D1/ CIF / QCIF
MJPEG: 1600x1200 / 1280x720 / 800x600 / D1 / CIF / QCIF
Bit rate control 16kbps ~ 4Mbps
Digital Zoom (PC side) Yes, x 1/2, x 2, x 4
Image Rotation (PC side) Mirror
DNR Yes

Audio

2-way Audio Yes
Compression AMR, G.711, G.726 / Configure Bit Rate
Protocol Supported
Streaming Protocols RTSP / RTP / UDP / RTSP / RTP / TCP / RTSP / RTP / HTTP tunneling, LAN multicast
Other protocols IPv4, HTTP, TCP, ICMP, QoS, DHCP, NTP, SMTP, FTP, UPnP, PPPoE, DNS, DDNS

Processors and Memory

CPU ARM9 SOC
Flash and Memory 8MB NOR flash, 64MB SDRAM
16MB ROM, 256MB DDR II RAM
I/O and connectors
Reset to Factory default Button
LAN RJ-45 connector
Audio Microphone input x 1 / Audio-out x 1

Software

Browser Internet Explorer 6.0 or above
Application Software VMS-64 application software
OS supported Microsoft Windows 2000, XP, Vista, Windows 7

ETC

Power DC 12V / POE DC 12V / AC 24V
Dimensions 2.5"(W) x 2.25"(H) x 5.5"(L)
Operating temperature -10°C~ 45°C
Storage temperature -20°C~ 70°C
Humidity 0% ~ 90% non-condensing
Approvals CE, FCC Class A, RoHS

CA-BX-2MEG 2 Mega Pixel Network Camera / Auto IR-Cut Filter Removal
H.264 CODEC / Dual Power : AC 24V or DC 12V