



Royal Access

Communications Systems
Commercial & Residential

EC-ECOCK

1/3" Sony Super HAD CCD
3.7mm Fixed Pin-hole Lens



Covert Clock Camera with Day & Night capability

1/3" Sony Super HAD color CCD

Crystal Clear : 480 (Color) / 520 (B/W) TV lines

Day & Night : sensitivity increasing during night time

0.4 Lux at F1.2 (Color) / 0.03 Lux at F1.2 (B&W)

DC 12V / 60Hz

3.7mm fixed pin-hole board Lens Installed

Image Pick-up Device	1/3 Sony Super HAD CCD
Picture elements	811(H) x 508(V) 410K pixels (NTSC) 795(H) x 596(V) 470K pixels (PAL)
Effective picture elements	768(H) x 494(V) 380K pixels (NTSC) 752(H) x 582(V) 440K pixels (PAL)
Scanning Area	3.65(H) x 2.74(V) mm
Scanning System	2:1 Interlace (NTSC Standard) 525 Lines / 60 Fields / 30 Frames
Sync System	Internal
Resolution	480(D) / 520(N) TV Lines Horizontally
S/N Ratio	More than 48dB (AGC OFF)
Video Output	CVBS : 1.0Vp-p / 75ohms
Lens	3.7mm fixed pin-hole board Lens
Minimum Illumination	0.4 Lux at F1.2(Color) 0.03 Lux at F1.2 (B/W)
White Balance	AWB
Shutter Speed	1/60 ~ 1/120,000 sec
BLC	Built-in
Gain Control	Built-in
Day & Night	Yes



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8 Channel DVR, H-264 Network



Video Input/Output: BNC 8CH In/2CH BNC Out/1CH VGA Out

Compression Method: H.264

**Real time recording support: 240 Fps for NTSC at CIF image
(200 Fps for PAL)**

Preview resolution: 704 x 576 (PAL) , 720 x 480 (NTSC);

Playback resolution: 8 x CIF

2 SATA Hard Disk interface (Support 4TB in Total)

Backup: USB2.0, CDRW, DVDRW and Network

**1 RJ-45 Ethernet connector, Static, Dynamic IP and DDNS ,
Support Internet Explorer and special client software**

**Multiple Recording/ Search Categories: Date/Time, Event, Manual,
Schedule, alarm, motion detection**

USB2.0 Mouse, Remote Control, PTZ, Camera, RS485 x 1

VGA Interface output, Resolution: 800x600/60HZ, 1024x768/60HZ **NETWORK,**

****USB Backup, USB MOUSE,VGA****

Dimensions:(LxWxH) 435mmx365mmx65mm,weight: 7.5kg



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Communications Systems
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8 Channel DVR, H-264 Network, with Audio



Video Input/Output: BNC 8CH In/2CH BNC Out/1CH VGA Out
Audio Input/Output: RCA 8-channel input/2-channel output
Compression Method: H.264
Real time recording support: 240 Fps for NTSC at CIF image (200 Fps for PAL)
Preview resolution: 704 x 576 (PAL) , 720 x 480 (NTSC);
Playback resolution: 8 x CIF
4 SATA Hard Disk interface (Support 8TB in Total)
Backup: USB2.0, CDRW, DVDRW and Network
1 RJ-45 Ethernet connector, Static, Dynamic IP and DDNS ,
Support Internet Explorer and special client software
Multiple Recording/ Search Categories: Date/Time, Event, Manual, Schedule, alarm, motion detection
USB2.0 Mouse, Remote Control, PTZ, Camera, RS485 x 1
VGA Interface output, Resolution: 800x600/60HZ, 1024x768/60HZ
NETWORK, USB Backup, USB MOUSE,VGA
Dimensions:(LxWxH) 432mmx375mmx96mm,weight: 8.5kg



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16 Channel DVR, H-264 Network



Video Input/Output: BNC 16CH In/2CH BNC Out/1CH VGA Out
Compression Method: H.264

Real time recording support: 480 Fps for NTSC at CIF image
(400 Fps for PAL)

Preview resolution: 704 x 576 (PAL) , 720 x 480 (NTSC);

Playback resolution: 16 x CIF

2 SATA Hard Disk interface (Support 4TB in Total)

Backup: USB2.0, CDRW, DVDRW and Network

1 RJ-45 Ethernet connector, Static, Dynamic IP and DDNS ,

Support Internet Explorer and special client software

Multiple Recording/ Search Categories:Date/Time, Event, Manual,
Schedule, alarm, motion detection

USB2.0 Mouse, Remote Control, PTZ, Camera, RS485 x 1

VGA Interface output, Resolution: 800x600/60HZ, 1024x768/60HZ

NETWORK,USB Backup,USB MOUSE,VGA

Dimensions:(LxWxH) 435mmx365mmx65mm,weight: 8kg



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Communications Systems
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16 Channel DVR, H-264 Network, with Audio



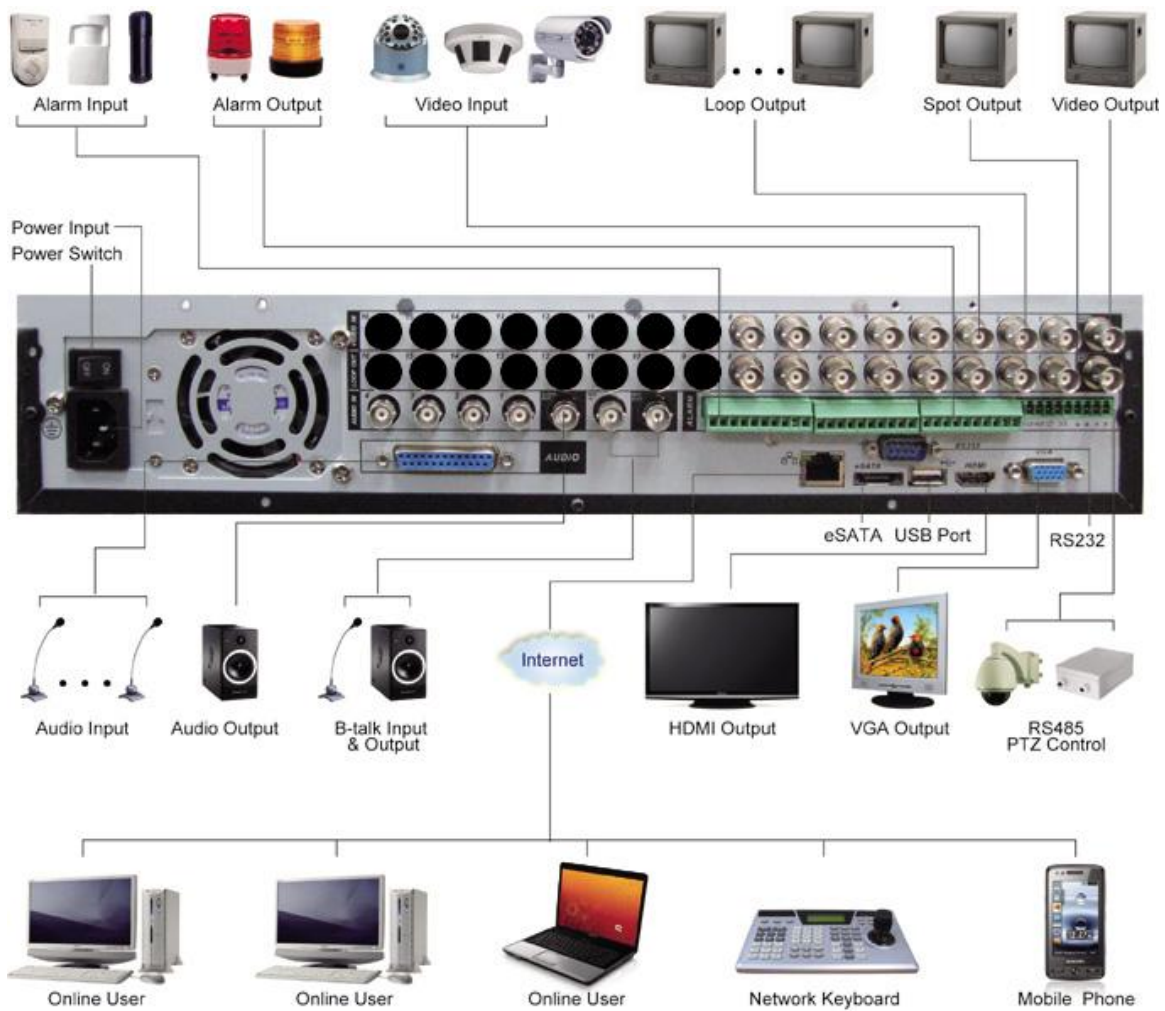
Video Input/Output: BNC 16CH In/2CH BNC Out/1CH VGA Out
Audio Input/Output: RCA 16-channel input/1-channel output
Compression Method: H.264
Real time recording support: 480 Fps for NTSC at CIF image (400 Fps for PAL)
Preview resolution: 704 x 576 (PAL) , 720 x 480 (NTSC);
Playback resolution: 16 x CIF
4 SATA Hard Disk interface (Support 8TB in Total)
Backup: USB2.0, CDRW, DVDRW and Network
1 RJ-45 Ethernet connector, Static, Dynamic IP and DDNS ,
Support Internet Explorer and special client software
Multiple Recording/ Search Categories:Date/Time, Event, Manual, Schedule, alarm, motion detection
USB2.0 Mouse, Remote Control, PTZ, Camera, RS485 x 1
VGA Interface output, Resolution: 800x600/60HZ, 1024x768/60HZ
NETWORK,USB Backup,USB MOUSE,VGA
Dimensions:(LxWxH) 432mmx375mmx96mm,weight: 9kg



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**Example of how the DVR connects to other Components
(Keep in mind, this is not the exact DVR shown above)**



This is how the remote access would review the Camera's in and around the Banks.



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RG-59 Siamese Video/Power Cable



Siamese-500-1000 BLK Cable Features:

- RG-59U & 18/2 Combo Cable 500-1000' Black
 - RG59 & 18-2 Siamese Cable Makes For An Easier CCTV Camera Installation
 - The Coax and Power Cable Combined Together
 - This Cable is a Single Pull For Each Camera
 - UL Certified
 - Comes in both Black or White
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12 Volt Power Supply for Camera's



12VDC Central Power Supply Features:

- Input Voltage AC100~120V AC220~240V
 - Output Current 18 x 500mA Fused Outlets (12A Max)
 - Output Power 145W
 - Dimension 320mm(L) x 210mm(W) x 65mm(H)
 - UL
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Fingerprint Recognition Time and Attendance Door Access Control System

Model# F701



- **Specifications:**
- **User Capacity:** 3000
- **Transaction Capacity:** 50000
- **Verification Mode:** 1:1 or 1:N
- **Access Control:** 50 Time zone, 5 grouping, 10 combination, holiday management, support many fingerprints access, support standalone work
- **Electric Lock Control:** Directness relay out put 3A/12VDC
- **Communicational:** TCP/IP or RS232 and RS485
- **Keyboard and Display:** LCD with 80 character and figure keypad
- **Power:** 9-24 VDC, stay current: 50MA, work current: 400 MA
- **Controller:** C2
- **Identification Speed:** <=2 seconds
- **FRR:** <=1%
- **FAR:** <=0.0001%
- **Collection Station:** ZK collection station
- **Temperature Operating:** 0°C - 45°C
- **Humidity Operating:** 20%-80%
- **Language:** Simplified Chinese, traditional Chinese, English, other languages
- **Size:** 180 x 82 x 55mm/7.09 x 3.23 x 2.17in(L x W x H)
- **Management Software:** Transaction fingerprint management and access control attendance options, and network management
- **Standard:** Wire Doorbell, Video Door phone
- **Optional:** ID/HID card, Webserver, Wiegand Out, Workcode, RIS



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Fingerprint Time Attendance Door Access Control System F4Plus



- **Specifications:**
- **User Capacity:** 1500 fingerprints, standalone storage 50000 records
- **Algorithm Version:** 2005 Version ZK multi-engine Biokey algorithm, ZK RIS system is option
- **Identification:** 1:1 or 1:N, fingerprint only, ID number+fingerprint, ID number+ code, card+fingerprint
- **Fingerprint Parameter:** Identification time \leq 2, FAR \leq 0.0001%, FRR \leq 1%
- **Access Control Function:** 50 time zones, five groups, 10 open door combination, support multi-users enter, 10A/12VDC relay switching value or output voltage
- **Alarm Function:** Can give alarm when destroying it, illegally open door, threatened by hijackers, and output touch off alarm signals, circumscribed alarm, alarm lamp, alarm lamp or alarm host computer
- **Standard Functions:** Wiegand output, Wireless Doorbell, WEB SERVER management, USB host, short message
- **Communications:** TCP/IP or RS 485
- **Other Input:** A group of door sensors and open-door button signal input
- **Display, Voice and Keyboard:** Four lines blue LCD, double color LED indicator light, multi-language
- **Power Supply Parameter:** 12V DC, watchful waiting current $<$ 50 mA, working current $<$ 400mA
- **Sensor:** U.are.U sensor
- **Operating Environment:** Temperature 0°C-45°C, humidity 20%-80%
- **Language Simplified:** Multi-language version
- **Software:** Support real time monitor access control software, fingerprint reader software and T&A software and so on
- **Size:** 150 x 145 x 52 mm / 5.90 x 5.71 x 2.05in
- **Optional:** ID/HID/Mifare card, workcode, RIS



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Fingerprint Recognition Time and Attendance Door Access Control System F702



Specifications:

- **User Capacity:** 3000
- **Transaction Capacity:** 50000
- **Verification Mode:** 1:1 or 1:N
- **Access Control:** 50 Time zone, 5 grouping, 10 combination, holiday management, support many fingerprints access, support standalone work
- **Electric Lock Control:** Directness relay out put 3A/12VDC
- **Communicational:** TCP/IP or RS232 and RS485
- **Keyboard and Display:** LCD with 80 character and figure keypad
- **Power:** 9-24 VDC, stay current: 50MA, work current: 400 MA
- **Controller:** C2
- **Identification Speed:** <=2 seconds
- **FRR:** <=1%
- **FAR:** <=0.0001%
- **Collection Station:** ZK collection station
- **Temperature Operating:** 0°C - 45°C
- **Humidity Operating:** 20%-80%
- **Language:** Simplified Chinese, traditional Chinese, English, other languages
- **Size:** 180 x 82 x 55mm/7.09 x 3.23 x 2.17in(L x W x H)
- **Management Software:** Transaction fingerprint management and access control attendance options, and network management
- **Standard:** Wire Doorbell, Video Door phone
- **Optional:** Webserver, Wiegand Out, Workcode, RIS



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Panasonic BM-ET200 Iris Reader for Biometric Access Control



Specifications:

- Non-invasive, simple to configure and easy to use
- High speed capture engine with recognition in 0.3 seconds
- Dual-mirror configuration makes eye alignment easy
- Distance guide indicator informs the user of proper iris capture distance
- Flexible system configuration - compatible with standard Wiegand interface
- System can be networked or used as stand-alone

The BM-ET200 offers more accurate, faster, non-contact entry/exit control utilizing biometric technology for iris recognition. The system can be used to check IDs in a variety of applications, including airports and entry/exit control for many types of industries. Simple and easy to configure, the BM-ET200 has recognition results in 0.3 seconds.

- Fast, high-speed capture engine
 - Distance Guide Indicator
 - Three Settings for Voice Guidance
 - Tamper Detection
 - 25 User License Included
 - Access Log Can be Searched by Time
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