

PIXORD-263

Day & Night Network Dome Camera

The ideal solution for security professionals

A high-end professional security device with a complete feature set.

Control pan, tilt, and zoom functions from anywhere with just a few mouse clicks.

Provides high image quality both day and night.



25X ZOOM

Main Features

- 360° degree PTZ
- 25x optical zoom
- 128 preset positions
- Customizable dwell time and variable speed between presets
- ID addressing to connect up to 64 devices in a daisy chain
- Up to 30/25 FPS
- Connect and control an additional 3 devices from a single Web page
- Digital image flip for all live streams
- Outdoor case: IP 66 Waterproof standard (optional)

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■ Features

- Dynamic Dome Configuration**
- Flexible Indoor/Outdoor mountings
 - Compact lightweight design for easy installation
 - Weather resistant housing
- Day/Night Features**
- Removable IR Cut Filter
- Low-Light Applications**
- Minimum illumination 0.01 Lux (Mono)
- Digital Image Flip**

- Precise And Accurate Tracking**
- Pan/Tilt accuracy of 0.25°
 - Preset speed up to 360°/sec
- Perfect Contrast Solution**
- For High Image Quality
 - Auto White Balance
 - Auto Exposure
 - Backlight Compensation

■ Specifications

Network Camera Hardware

System

- CPU: 32-Bit RISC Processor
- ROM: 2MB Flash ROM
- RAM: 16MB SDRAM
- Watchdog: Chip to monitor system voltage tolerance and abnormal program execution

Connectors

- Network: 1x RJ-45 connector for Ethernet
- Video: 1x BNC video out connector, CVBS 1.0Vpp/75Ω
- Power: 1x 12V DC connector
- Indicators: 2x LEDs to indicate network and power/system status
- Terminal Block: - 6x fully opto-isolated sensor inputs
 - 1x relay output
 - 2x RS-485 COM ports (1 in, 1 out) for external keyboards or daisy-chain (supports up to 64 serial-linked cameras)

Camera

- System: NTSC, PAL
- Video: Color / Mono
- Optical Zoom Ratio: 25x
- Zoom Speed: Tele-Wide: 3.5sec (Fast); Tele-Wide: 6sec (Medium); Tele-Wide: 52sec (Slow)
- Total No. of pixels: 768(H) x 498(V), 440k (NTSC); 752(H) x 582(V), 440k (PAL)
- Scanning Area: 1/4" Interline Transfer CCD [ExView HAD CCD]
- Scanning System: 2:1interlace, 625 lines, 50 fields/sec PAL
 - 2:1interlace, 525 lines, 60 fields/sec NTSC
- Horizontal Resolution: 570 TVL(Mono), 480 TVL(Color)
- Horizontal & Vertical Synchronization: 15.625KHz, 50Hz (PAL); 15.734KHz, 60Hz (NTSC)
- Synchronization: Internal
- Color / Mono Switch (IR Cut Filter): -3 Lux to Mono Auto switch
- Minimum Illumination: 0.01Lux at F1.6(Mono); 0.1L Lux at F1.6(Color)
- S/N Ratio: > 50dB (AGC Off)
- Auto Gain Control: 8dB(Low), 22dB(Medium), 36dB(High)
- BLC: ON(Background Video Level Adjustable)/OFF
- BLC Zone: Top, Bottom, Left, Right, Center
- Sensitivity Up: ON/OFF/Auto
- White Balance: Auto Correction/Auto Tracking/Fix (Indoor or Outdoor)
- Iris Control: Auto/Manual (Fast or Medium Speeds)
- Video Focus: Auto / One Shot / Manual 0.07m(Wide) ~1m(Tele)
- Flickerless: ON/OFF
- Gamma Adjustment: 8 Levels
- Contrast Adjustment: 16 Levels
- Aperture Correction: Horizontal & Vertical Aperture Correction Slice Level: 16 Levels
 - Vertical Aperture Correction Slice Level: 8 Levels
 - Horizontal Aperture Correction (Low Band) gain Level: 4 Levels
 - Horizontal Aperture Correction (High Band) Gain Level: 4 Levels
 - Vertical Aperture Correction Gain Control: 16 Levels
 - Horizontal & Vertical Aperture Correction Gain: 16 Levels

Operation

- Pan Travel: 360° Continuous
- Pan/Tilt Accuracy: ±0.25°
- Preset Pan/Tilt Speed: 1° ~255°/ sec
- Preset Positions: 128 Positions
- Instant Flip: 180°
- Alarm Trigger Speed: 360°/ sec
- Alarm Inputs: 6 Inputs (expandable to 64)
- Alarm Response Mode: Lock or Release
- Preset Groups: 4 groups (corresponding with the first 16 presets)
- Cable Requirement: UL 24AWGx2C Twist Pair (recommended)
- Tilt Travel: -5° ~+95°
- Manual Pan/Tilt Speed: 0.18° ~180°/ sec
- Preset Dwell Time: 0 ~255 sec
- Control Interface: RS-485
- Preset Recall Speed: 360°/ sec
- Address Setting: 1-64 ID setting
- Alarm Output: 1 to organize (NO or NC)
- Operation Setting: On Screen Setup Menu

Optical lens

- Focal Length: 3.9~95mm
- Aperture (F): F1.6~F3.7
- Angle of View: Wide: 39.2° (V) 51.9° (H) Tele: 1.6° (V) 2.2° (H)

Environmental

- Operation Temperature: -5° C ~ +50° C
- Operation Humidity: 0%~90%

Electrical

- Power Supply: AC 24V or AC 90-260V (Optional)
- Input Voltage: DC 12V
- Power Consumption: 18W
- Control Interface: RS-485 (1 in, 1 out), RS-485 Voltage: 5.6V
- Alarm Input: 6 Inputs (pull up), Alarm Input Voltage: 5.6V
- Alarm Output: 1 Output (NC or NO mode), Alarm Output Voltage: 0.5A 120V AC/ 1A 24V AC
- Alarm Response Mode: Lock or Release Mode

Mechanical

- Height: 208mm (8.3")
- Diameter: 145mm (5.6")
- Weight: 2.5 Kg; 5Kg with external housing

Management

Event management

- Programmable event script with Wizard support.
- Trigger: 1. Motion detection 2. Sensor Input 3. CGI 4. Video/Network connection 5. Scheduling (time/frequency)
- Action: 1. Send Alert Message 2. FTP images to remote site 3. E-mail message/images 4. Relay output to external device 5. HTTP server push to remote site 6. Store images to internal buffer (2MB pre/post alarm)

Installation

- PIXORD IP Installer (Win32 Application)

Firmware Upgrade

- Remote upgrade via FTP
- PIXORD Firmware Upgrade utility (Win32 Application) (available with future upgrade)
- Customized Web UI is upgradeable via FTP and Telnet

Client PC Requirements

- Microsoft Windows 98se/Me/2000/XP
- Microsoft Internet Explorer 5.x or above
- Microsoft DirectX 9.0c
- Macromedia Flash 6

Security

- Multi-tiered access control for configuration

Recording

- Directly from Web UI while viewing the live video stream
- PIXORDWare Recording Software – free 16-channel surveillance and configuration software

Video

Image Compression

- JPEG; MJPEG

Video Adjustment

- Brightness, Contrast, Hue, Saturation, Quality Level (compression), Frame rate

Resolutions

- Full (4SIF): NTSC = 704x480; PAL = 704x576
- SIF: NTSC = 352x240; PAL = 352x288
- QSIF: NTSC = 176x 112; PAL = 176x144

Performance

- Up to 30/25 frames per second (SIF)

Network

Network Interface

- 10/100 Base-T Ethernet

Protocols

- TCP/IP, ARP, ICMP, HTTP, FTP, Telnet, SMTP, DHCP, DNS, DDNS

Package Contents

- CD Title with manuals and software
- Quick Installation Guide
- One Ethernet Cable
- Power Adapter