

DHA1972YM2 2MP 25x and 30x D/N HD-CVI/CVBS IR PTZ Domes



DESCRIPTION

The DHA1972YM2 Series are 1/2.8" Starvis CMOS 2MP HD-CVI/CVBS IR PTZ Domes with 25X/30X Optical, 16x Digital Zoom that represent state-of-the art, DSP based camera technology. Units transmit HD video and control over coaxial cable; 25/30fps @1080p and 50/60fps @720p; provide outstanding quality images under Starlight low illumination - Color 0.005/F1.6/0Lux/IR LED on. Features are: integrated camera module insert; installs easily into dome housing; connect / disconnect latches and IR LEDs for 150m night vision. Included are 400 presets, built-in receiver driver, OSD menu with programmable functions, 5 Auto Scan, 5 Patterns and 8 Tours, 24 privacy zones, Optical Zoom, display date/time, compass/tilt angle and true WDR (120dB). With 24VAC, Audio input, 2 Alarms input/1 out, RS-485, IP66, the DHA1972YM2 series HD-CVI/CVBS D/N IR PTZ Domes are designed to meet the most demanding, commercial and industrial HD Video surveillance installations.



FEATURES

- * HD-CVI/CVBS 2MP Day/Night IR PTZ Dome
- * 1/2.8" Starvis CMOS Scan Sensor; 120dB WDR
- * 2.0MP with 25x and 30x Optical, 16x Digital Zoom
- * Illumination Starlight 0.005LUX/F1.6/ 0LUX IR ON
- * High Power IR LEDs for 150m Night Vision
- * Low Light, IR Cut Filter and Wide Dynamic Range
- * PTZ Data RS-422/RS-485 with D Protocol
- * Video and Control over 75 Ohm Coaxial Cable
- * Switchable HD Video or SD Video output
- * OSD with D/N, BLC, 3DNR, WB, AGC, WDR
- * 400 Presets, 8-24 Privacy Masking Zones
- * Programmable 5 Auto Scan, 5 Patterns; 8 Tours
- * 2 Alarms in/1 Alarm out; 1 Audio input
- * Die Cast Aluminum Housing with Sunshield
- * 24 VAC input Voltage, 50Hz/60Hz
- * Video Signal and Power Surge Protection
- * Compliance CE, FCC, ROHS, IP66

APPLICATIONS

- * Homeland Security
- * Correctional Centers
- * Petrochemical Industry
- * Corporate and Banking
- * Casinos and Hospitality
- * Health Care Centers
- * Schools and Universities
- * Government and Military
- * Power Generating Plants
- * Traffic Surveillance (ITS)



ORDERING INFORMATION

- DHA1972YM22A30CA5S HD-CVI/CVBS 2MP D/N IR PTZ Dome, 25X, 150m, NTSC, 24VAC
 DHA1972YM22B30CA5S HD-CVI/CVBS 2MP D/N IR PTZ Dome, 25X, 150m, PAL, 24VAC
- DHA1972YM23A30CA5S HD-CVI/CVBS 2MP D/N IR PTZ Dome, 30X, 150m, NTSC, 24VAC
 DHA1972YM23B30CA5S HD-CVI/CVBS 2MP D/N IR PTZ Dome, 30X, 150m, PAL, 24VAC
 _____ 22=2MP 25X; 23=2MP 30X



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Video Specifications

Video Output: HD-CVI, Composite BNC
Video Quality: HD/SD, switchable
Camera ID range: 1-255

Audio Specifications

Audio Input/Output: 1 / 1

Data Specifications

Data Interface: RS-422/RS-485
Baud Rate/Protocol: 2400, Pelco D

General Parameters

Auto Pan: 0° ~ 360°, 5 auto scan routes
Programmable Presets: 400 with titles
Tours/Patterns/Scans: 8 / 5 / 5
Privacy Masking Zones: 2-24
Alarm Inputs/Outputs: 2 / 1
Auto Flip Function: 180° Tilt

Electrical Parameters

Input Voltage/Cons.: 24VAC 13W, 25W (heater on)
IR LEDs Distance: 150m

Mechanical Parameters

Materials: Die Cast Aluminum w/Sunshield
Manual Pan Speed: 0.1° ~ 300°/sec/max
Manual Tilt Speed: 0.1° ~ 200° /sec/max
Preset Speed: 400° per sec Pan/300° per sec Tilt
Rotation travel: Pan 360° continuous
Tilt Travel: -15°~90°
Motor: Stepping type
Fan and heater: Continuous fan; auto-start heater
Dimensions H x Dia.: 12.2"(310mm), 7.3"(186mm)
Weight: 9lbs(4Kg) w/ bracket

Environmental Parameters

Oper. Temperature Outdoor: -40°F~140°F(-40°C~60°C)
Storage Temperature: -40°F~158°F (-40°C~70°C)
Humidity: 0~95% (Non-condensing)

Regulatory Compliance

Agencies: CE, FCC, ROHS, IP66, ISO9001

| Camera Parameters | DHA1972YM22 - 2MP Starvis CMOS | DHA1972YM23 - 2MP Starvis CMOS |
|---------------------------|---|---|
| Image Sensor | Progressive Scan 1/2.8" Starvis CMOS, WDR (120dB) | Progressive Scan 1/2.8" Starvis CMOS, WDR (120dB) |
| Effective Pixels | 2.0M (1920 x 1080) | 2.0M (1920 x 1080) |
| Output Pixels: | 1920(H)x1080(V) | 1920(H)x1080(V) |
| Resolution (H) Pixels: | 1080P / 720P / D1(704x576/704x480) | 1080P / 720P / D1(704x576/704x480) |
| Min. Illum. F1.4, 50 IRE: | 0.05Lux/ICR Off, 0.005Lux/BW/ 0Lux IR On | 0.05Lux/ICR Off, 0.005Lux/BW/ 0Lux IR On |
| Frame Rate: | 1080P/720P(1~30fps); D1(1~30fps) | 1080P/720P(1~30fps); D1(1~30fps) |
| Optical / Digital Zoom: | 25X (F=4.8mm~120.0mm / 16x | 30X (F=4.3mm~129.0mm / 16x |
| View Angle: Wide x Tele | 59.2°(Wide) ~ 2.4°(Tele) | 65.1°(Wide) ~ 2.35°(Tele) |
| F-value: | F 1.6 (wide) - F4.4 (telephoto) | F 1.6 (wide) - F5.0 (telephoto) |
| Focus: | Auto/Manual (Far/Near) | Auto/Manual (Far/Near) |
| IR Cut Filter Removable: | Auto(ICR) / Color / B/W | Auto(ICR) / Color / B/W |
| Digital Slow Shutter: | Yes | Yes |
| Back Light Compensation: | BLC / HLC / WDR | BLC / HLC / WDR |
| Privacy Masking: | ON/OFF (up to 24 areas) | ON/OFF (up to 24 areas) |
| Electronic Shutter: | 1/1 to 1/30,000 /s | 1/1 to 1/30,000 /s |
| Noise Reduction: | 2D/3D | 2D/3D |
| AGC: | Auto / Manual | Auto / Manual |
| White Balance: | Auto, ATW, Indoor, Outdoor, Manual | Auto, ATW, Indoor, Outdoor, Manual |

