

DNA1890YM2

2MP 30x Day/Night IR Mobile IP Integrated Positioning PTZ System



DESCRIPTION

The DNA1890YM2 Series are 1/2.8" EXMOR CMOS 2MP Network IP D/N Mobile IR PTZ camera positioning systems with 30X Optical, 16x Digital Zoom. Units are designed with high quality Encoder H.264/MJPEG video compression, configurable dual stream outputs at 25/30fps 2MP (1920x1080); pan/tilts, enclosures, telemetry receiver drivers, IR Lamp(150m) into compact and rugged systems for demanding video surveillance installations. Features are: OSD with 4 Auto Scan, 4 Patterns, 4 Tours, up to 24 privacy zones, 3DNR and Digital WDR. A stepping motor, designed for 0.02° positioning accuracy, ensures stability with no vibration under maximum optical/digital zoom. Rated IP66 for outdoor environment, included are thermostat, heater, fan, sunshields, defogger and wiper. With 8V-36VDC voltage, Smart Phone Interface, ONVIF and IP66, the DNA1890YM2 series IP IR PTZ Positioning Systems are serious solutions for commercial, industrial and mobile video surveillance installations.



FEATURES

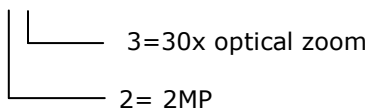
- * IP 2.0MP IR D/N Integrated Positioning PTZ, DWDR
- * 1/2.8 CMOS Progressive Scan Image Sensor
- * H.264/MJPEG and Dual Stream Encoder
- * 2MP 30x optical and 16x digital zoom
- * External IR Lamp - LEDs for >150m Night Vision
- * 360° Continuous Pan Rotation; -90° to +90° Tilt
- * 10/100 Mbps Ethernet Compatible; RJ-45 LAN Port
- * Supports RTP/RTSP Unicast/Multicast
- * PTZ Data RS-422/RS-485 with P/D Protocol
- * OSD: BLC, WB, AGC, 3DNR, Digital WDR
- * 300 Presets; 24 Privacy Zones; 3D Positioning
- * 4 Preset Tours, 4 Patterns, 4 Auto Scans
- * Smart Phone: iPhone, Android, Windows
- * Sun Shield, Defroster, Heater, Fan, Wiper
- * Die cast, light weight, Aluminum alloy
- * 8V-36VDC input Voltage, 50Hz/60Hz
- * Ethernet and Power Surge Protection
- * Compliance with CE, FCC, ROHS, ONVIF, IP66

APPLICATIONS

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

ORDERING INFORMATION

DNA1890YM23-9 IP 2MP D/N IR Integrated PTZ Positioning System 30X, IR LAMP 150m, 8-36V



DNA1890YM2

2MP 30x Day/Night IR Mobile IP Integrated Positioning PTZ System



Functions

OSD Menu
300 presets; Remote PTZ reset
3D PTZ Orientation and Display
4 Preset Tours, 4 Patterns, 4 Auto Scans
2 Alarm input, 1 Alarm output

Data Specifications

RS-422/RS-485 Protocol Pelco D
Available baud rates: 2400

Electrical Parameters

Built in: Telemetry Rec./driver, PT Head
Input power/Consumption: 8-36VDC, 50/60Hz; ≤150W
Surge protection: Ethernet and power
Heater and Defroster: Thermostatically controlled
MTBF: 50,000 hours

IR Lamp Specifications

Distance: LED/150m
Angle of View: ≤60°
Power IR LEDs: 60W

Voltage (IR LEDs): 8 ~ 36VDC

Mechanical Parameters

Preset accuracy: To 0.02°
Horizontal movement: Continuous pan 360°
Vertical movement: Tilt -90°~+90°
Manual pan speed: 0.1°~60°/s
Manual tilt speed: 0.1°~30°/s
Net weight: 20lbs (9Kg)
Dimensions LxWxH: 14.8"(375mm), 8.3"(210mm), 9.7"(246mm)

Environmental Parameters

Housing with Wiper: Sun shield, auto running defroster / heater / fan
Operating temperature: -40°F~140°F (-40°C~60°C)
Operating humidity: 0~90% non-condensing

Regulatory Compliance:

CE, FCC, ROHS, ONVIF, IP66

Manufactured to:

ISO9001 Standards

Camera Parameters	DNA1890YM23
Image Sensor	1/2.8" Exmor CMOS Progressive Scan Image Sensor
Effective Pixels	2.0M (1944 x 1092)
Output Pixels:	1920(H)x1080(V)
Resolution (H) Pixels:	1080P / 720P / D1(704x576/704x480)
Min. Illum. F1.6, 50 IRE:	Color 0.05Lux/F1.6, 0Lux IR ON
Frame Rate:	1080P/720P(1~30fps); D1(1~30fps)
Optical / Digital Zoom:	30X (F=4.5mm~135.0mm / 16x)
View Angle: Horizontal	67.8°(Wide) ~ 2.8°(Tele)
F-value:	F 1.6 (wide) - F4.4 (telephoto)
Focus:	Auto/Manual (Far/Near)
IR Cut Filter Removable:	Auto(ICR) / Color / B/W
Digital Slow Shutter:	Yes
Noise Reduction:	2D / 3D
Privacy Masking:	ON/OFF (up to 24 areas)
Electronic Shutter:	1/1 to 1/30,000 s
IRIS:	Auto / (Offset Soft.)
BLC:	BLC / HLC / DWDR
White Balance:	Auto, ATW, Indoor, Outdoor, Manual
Sync System:	Internal
Encoder/Parameters	DNA1890YM23
Video Compression:	H.264/MJPEG, Dual Stream, Configurable
LAN Interface:	10/100 Mbps RJ-45 Port
Output Bit Rate:	Variable Bit Rate (VBR) & Constant Bit Rate (CBR)
Network Interface:	10/100 Mbps RJ-45 Port; Status and Network LEDs
Wireless Network:	IEEE 802.11a/b/d/e/g/h/i, 802.11n
Network Protocol:	HTTP, TCP/IP, ICMP, RTSP, RTP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server, ONVIF
Web Server:	Intuitive Browser Interface, Internet Explorer
Operating System:	DNA3700, DNA3750, DNA3800, DNA4000, DNA5000 and DNA2200M Mobile Series NVR Server Appliances
CPU Requirement:	Intel Core 4 Quad 2GHz or higher for Client

