

# 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 5 Auto Scan, 5 Patterns, 8 Tours, up to 24 privacy zones, 3DNR and Digital WDR. A stepping motor, designed for 0.01° 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 12VDC 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

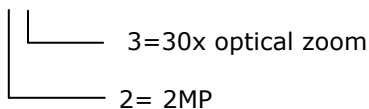
- \* IP 2.0MP IR D/N Integrated Positioning PTZ, DWDR
- \* 1/2.8 CMOS Progressive Scan Image Sensor
- \* H.264/MJPEG and Dual Stream Encoder
- \* 2MP 30x optical and 16x digital zoom
- \* External IR Lamp - LEDs for >150m Night Vision
- \* 360° Continuous Pan Rotation; -90° to +90° Tilt
- \* 10/100 Mbps 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
- \* 255 Presets; 24 Privacy Zones; 3D Positioning
- \* 8 Preset Tours, 5 Patterns, 5 Auto Scans
- \* Smart Phone: iPhone and Android
- \* Sun Shield, Defroster, Heater, Fan, Wiper
- \* Die cast, light weight, Aluminum alloy
- \* 12VDC (8VDC-18VDC) 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

DNA1890YM23-1 IP 2MP D/N IR Integrated PTZ Positioning System 30X, IR LAMP 150m, 12VDC



# DNA1890YM2

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



### Functions

OSD Menu  
255 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: 8-18VDC, 50/60Hz; ≤60W  
Surge protection: Ethernet and power  
Heater and Defroster: Thermostatically controlled  
MTBF: 50,000 hours

### IR Lamp Specifications

Distance: LED/150m  
Angle of View: 68°~2.8°  
Power IR LEDs: 60W

### Mechanical Parameters

Preset accuracy: To 0.01°  
Horizontal movement: Continuous pan 360°  
Vertical movement: Tilt -90°~+90°  
Manual pan speed: 0.1°~80°/s  
Manual tilt speed: 0.1°~60°/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

