

DNA1690YM2

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



DESCRIPTION

The DNA1690YM2 Series are 1/2.8" Exmor CMOS 2MP Network IP D/N IR PTZ camera positioning systems with 30X Optical, 16x Digital Zoom. Units are designed with high quality Encoder H.264/MJPEG video compression, configurable triple stream outputs at 25/30fps 2MP (1920x1080); pan/tilts, enclosures, telemetry receiver drivers into compact and rugged Aluminum Alloy body for demanding mobile video surveillance installations. Features are: 2 pairs of IR LEDs for 80m night vision, 256 presets, 5 Auto Scan, 5 Patterns, 8 Tours, 3DNR and DWDR. With 12VDC voltage, 1 Alarms in/1 out, RJ45 Network port, Smart Phone Interface, Aviation Port connector, SD Card, ONVIF compliance and IP66 the DNA1690YM2 series IP IR PTZ Positioning Systems are serious solutions for mobile video surveillance installations.

FEATURES

- * IP 2.0MP Mobile IR D/N Integrated PTZ System
- * 1/2.8" Exmor CMOS Progressive Scan Sensor
- * H.264/H.264/MJPEG; configurable triple Stream
- * 30x optical and 16x digital zoom
- * 360° Continuous Pan Rotation; -20° to 90° Tilt
- * 2 Pairs IR LEDs for 80m Night Vision
- * 10/100Mbps Ethernet RJ-45 LAN Port
- * 256 Presets; 3D Positioning
- * 8 Preset Tours, 5 Patterns, 5 Auto Scans
- * 1 Alarms input and 1 Relay output
- * Smart Phone: iPhone, Android, Windows
- * Die cast, light weight, Aluminum alloy
- * Ethernet, Surge Protection; SD Card (128GB)
- * Low power 12VDC input Voltage, 24W IR on
- * Compliance with CE, FCC, ROHS, ONVIF, IP66

ORDERING INFORMATION

DNA1690YM23-1 IP IR Integrated PTZ 30X 2MP, D/N, IR LEDs, 80m Night Vision, 12VDC



APPLICATIONS

- * Railways/Subways
- * Public Buses
- * Fire Dept. trucks
- * Police Vehicles
- * Armored Trucks
- * School Buses
- * Utility Vehicles
- * Taxi/Fleet Vehicles
- * Correctional Vehicles
- * Emergency Response



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Video Specifications

Video Format/Signal: Ethernet
Camera ID range: 1-255

Data Specifications

LAN Interface: 10/100Mbps Ethernet RJ-45
Baud Rate/Protocol: 2400, Pelco D

General Parameters

Auto Pan: 0°~360°, 5 auto scan routes
Programmable Presets: 256
Tours/Patterns/Scans: 8 / 5 / 5
Alarm Input/Output: 1 / 1

Electrical Parameters

Built in: Telemetry Rec./driver, PT Head
Power / Consumption: 12VAC, 50/60Hz, 5A
12W (IR off), 24W (IR LEDs on)

IR Lamp Specifications

Distance: 2 pairs of LEDs 80m

Mechanical Parameters

Preset accuracy: To 0.1°
Horizontal movement: Continuous pan 360°
Vertical movement: Tilt -20°~+90°
Manual pan speed: 0.1°~90°/s
Manual tilt speed: 0.1°~60°/s
Net weight: 5.7lbs (2.5Kg)
Dimensions LxWxH: 8.3"(210mm), 4.8"(120mm), 4.9"(124mm)
Materials: Aluminum Alloy Body

Environmental Parameters

MTBF: 50,000 hours
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	DNA1690YM23
Image Sensor	1/2.8" Exmor CMOS Progressive Scan Image Sensor
Effective Pixels	2.0M (1920 x 1080)
Output Pixels:	1920(H)x1080(V)
Resolution (H) Pixels:	1080P / 720P
Min. Illum. F1.5, 50 IRE:	Color 0.01Lux/F1.5, 0Lux IR ON
Frame Rate:	1080P/720P(1~30fps)
Optical / Digital Zoom:	30X (4.5mm ~ 135mm / 16x)
View Angle: Wide x Tele	67.8°(W) ~ 2.8°(T),
F-value:	F 1.6(wide) - F4.4(telephoto)
Focus:	Auto/Manual (Far/Near)
Day/Night:	Auto(ICR) / Color / B/W
Noise Reduction:	2D / 3D
Wide Dynamic Range:	On, Off, Auto, Ratio Fix
Privacy Masking:	ON/OFF (up to 24 areas)
Electronic Shutter:	1/1 to 1/30,000 s
DEFOG:	ON / OFF
BLC:	BLC / HLC / DWDR
White Balance:	Auto, ATW, Indoor, Outdoor, Manual
Signal to Noise Ratio:	> 55dB
Encoder/Parameters	DNA1690YM23
Video Compression:	H.264/H.264/MJPEG, Triple 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
Data Connectors:	M12 Aviation Type
Network Protocol:	IPv4/IPv6, HTTP, TCP/IP, ICMP, RTSP, RTP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPoE, DDNS, FTP, ONVIF
Web Server:	Intuitive Browser Interface, Internet Explorer
Operating System:	DNA2204M, DNA2208M Mobile NVR Appliances
CPU Requirement:	Intel Core 4 Quad 2GHz or higher for Client

