

DNA1797YM2

2MP 25x D/N Mobile IP IR LED Integrated Positioning PTZ System



DESCRIPTION

The DNA1797YM2 Series are 1/2.8" EXMOR CMOS 2MP Network IP D/N Mobile IR PTZ camera positioning systems with 25X Optical, 16x Digital Zoom. Units are designed with high quality Encoder H.265/H.264 video compression, configurable triple stream outputs at 25/30fps 2MP (1920x1080); pan/tilts, enclosures, telemetry receiver drivers, 4 x IR LEDs (150m) into compact and rugged systems for demanding video surveillance installations. Features are: Auto Tracking, built-in intelligent analytics 300 presets, 5 Patterns, 8 Tours, Auto Scan/Pan, 24 privacy zones, Audio in/out, 2 Alarms in/1 out, 2/3DNR and true WDR (120dB). Units are designed with electronic image stabilization, with no vibration under maximum optical/digital zoom. Rated IP67 for outdoor environment, heater, fan and defogger. With 12VDC voltage, POE+, Smart Phone Interface, ONVIF, IK10 and IP67, the DNA1797YM2 series Auto Tracking/Analytics 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
- * 1/2.8 CMOS Progressive Scan Image Sensor
- * H.265/H.264 and Triple Stream Encoder
- * 2MP 25x optical and 16x digital zoom
- * Built-in 4 x IR LEDs for >150m Night Vision
- * 360° Continuous Pan Rotation; -90° to +90° Tilt
- * 10/100 Mbps Ethernet Compatible; RJ-45 LAN Port
- * Auto Tracking: single, multiple, panoramic scenes
- * Built-in Analytics: Tripwire, Perimeter Protection, loitering, abandoned objects, missing objects detection, face detection, illegal parking, speed
- * OSD: BLC, WB, AGC, 3DNR, Digital WDR
- * 300 Presets; 24 Privacy Zones; 3D Positioning
- * 8 Preset Tours, 5 Patterns, Auto Scan and Pan
- * 1 Audio In/1 Out; 2 Alarms In/1 Out
- * Smart Phone Interface: iPhone and Android
- * SD Memory Card (128GB) local recording
- * Die cast, light weight, Aluminum alloy
- * Vandal Impact Protection Rating IK10
- * 12VDC Input Voltage, 50Hz/60Hz, POE+
- * Ethernet and Power Surge Protection
- * Compliance with CE, FCC, ROHS, ONVIF, IP67

ORDERING INFORMATION

DNA1797YM22A-4 IP 2MP D/N IR Integrated PTZ Positioning System 25X, IR 150m, NTSC, 12VDC/POE

DNA1797YM22B-4 IP 2MP D/N IR Integrated PTZ Positioning System 25X, IR 150m, PAL, 12VDC/POE



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)



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Functions

OSD Menu
300 presets; Remote PTZ reset
3D PTZ Orientation and Display
8 Tours, 5 Patterns, Auto Pan, Auto Scan
2 Alarm input, 1 Alarm output
Supports Electronic Stabilization

Audio Specifications

Audio: 1 in / 1 out

Electrical Parameters

Built in: Telemetry Rec./driver, PT Head
Input power/Consumption: 12VDC 4A; POE+(802.3at)
Surge protection: Ethernet and power
Heater and Defroster: Thermostatically controlled
MTBF: 50,000 hours

IR Lamp Specifications

Distance: LED/150m
Angle of View: 59°~2.5°
Power IR LEDs: 22W IR on

Mechanical Parameters

Preset accuracy: To 0.01°
Horizontal movement: Continuous pan 360°
Vertical movement: Tilt -90°~+90°
Manual pan speed: 0.1°~120°/s
Manual tilt speed: 0.1°~75°/s
Preset speed: pan 0.1°~120°/s; tilt 0.1°~75°/s
Net weight: 8lbs (3.5Kg)
Dimensions Dia. X W x H: 6.0"(153mm), 6.34"(161mm), 11.4"(290mm)

Environmental Parameters

Operating temperature: -40°F~140°F (-40°C~60°C)
Operating humidity: 0~90% non-condensing

Regulatory Compliance:

CE, FCC, ROHS,
ONVIF, IK10, IP67
ISO9001 Standards

Manufactured to:

Camera Parameters	DNA1797YM22
Image Sensor	1/2.8" 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 0.005Lux/F1.6, 0Lux IR ON
Frame Rate:	1080P/720P(1~30fps); D1(1~30fps)
Optical / Digital Zoom:	25X (F=4.8mm~120.0mm / 16x)
View Angle: Horizontal	59.0°(Wide) ~ 2.5°(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 / WDR
White Balance:	Auto, ATW, Indoor, Outdoor, Manual
Sync System:	Internal
Encoder/Parameters	DNA1797YM22
Video Compression:	H.265/H.264, 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
Wireless Network:	IEEE 802.11at
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

