

DNA1798YM2

IP IR LED Integrated Positioning PTZ System 2MP 45x Corrosion Proof



DESCRIPTION

The DNA1798YM2 Series are 1/2.8" Starvis CMOS 2MP Network IP Corrosion Proof, D/N IR PTZ camera positioning systems with 45X Optical, 16x Digital Zoom. Units are designed with high quality Encoder H.265+/H.264 video compression, configurable triple stream outputs at 50/60fps 2MP (1920x1080); pan/tilts, enclosures, telemetry receiver drivers, 8 x IR LEDs (350m) into compact and rugged systems for demanding video surveillance installations. Features are: Auto Tracking, built-in intelligent analytics (IVS), 300 presets, 5 Patterns, 8 Tours, Auto Scan/Pan, 24 privacy zones, 2/3DNR and true WDR (120dB). Units are designed with electronic image stabilization (EIS) - no vibration under maximum optical/digital zoom. With 24VAC voltage/Hi-POE, BNC out, Audio in/out, RS-485, 7 Alarms in/2 Relays, Heater, Defogger, Wiper, corrosion rated NEMA-4X, IP68, Smart Phone Interface, and ONVIF, the DNA1798YM2 series IP IR PTZ Positioning Systems with Auto Tracking and Analytics are serious solutions for commercial, industrial and mobile video surveillance installations.

FEATURES

- * Network 2MP IR D/N IR Positioning PTZ, Video out
- * 1/2.8" Starvis CMOS Scan Sensor; 120dB WDR
- * Illumination Starlight Color 0.005/F1.6/0Lux IR ON
- * H.265+/H.265/H.264 Triple Stream Encoder
- * 2MP 1920x1080 Res.; 45x Optical, 16x Digital Zoom
- * Auto Tracking with Alarm Trigger Events
- * 8 High Power IR LEDs for >350m Night Vision
- * Built-in Analytics: Tripwire, Perimeter Protection, loitering, Abandoned/Missing Objects Detection, Face detection, Scene Change, Camera Tamper
- * OSD: D/N, AGC, WB, 3DNR; EIS; CVBR, VBR
- * 360° Continuous Pan Rotation; -90° to +90° Tilt
- * 300 Presets; 24 Privacy Zones; 3D Positioning
- * Programmable 5 Auto Scans, 5 Patterns, 8 Tours
- * 10/100 Mbps Ethernet Compatible; RJ-45 LAN Port
- * 1 Audio In/1 Out; 7 Alarms In/2 Relay Out; RS-485
- * Smart Phone Interface: iPhone and Android
- * Aluminum Housing; Corrosion Proof, NEMA-4X
- * Built-in Heater, Defogger and Wiper
- * 24VAC Input Voltage, 50Hz/60Hz, Hi-POE
- * Ethernet, Surge Protection; SD Card (256GB)
- * Compliance with CE, FCC, ROHS, ONVIF, IP68

ORDERING INFORMATION

DNA1798YM24A-4 IP 2MP D/N IR Integrated PTZ Positioning System 45X, IR 350m, NTSC, 24VAC/POE
DNA1798YM24B-4 IP 2MP D/N IR Integrated PTZ Positioning System 45X, IR 350m, PAL, 24VAC/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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IP IR LED Integrated Positioning PTZ System

2MP 45x Corrosion Proof



Functions

300 presets; Remote PTZ reset
3D PTZ Orientation and Display
8 Tours, 5 Patterns, Auto Pan, Auto Scan
Supports Electronic Stabilization, DEFOG

Video, Audio, Data and Alarms

Video: BNC
Audio: 1 input / 1 output
Data: RS-485 Port; Ethernet RJ-45 Port
Alarms: 7 inputs/ 2 Relay outputs

Electrical Parameters

Built in: Telemetry Rec./driver, PT Head
Input power/Consumption: 24VAC 5A; HI-POE
Surge protection: Ethernet and power

IR Lamp and Heater Specifications

IR LEDs; Distance: 8 HP; >350m
Angle of View: 70°~1.8°
Power IR LEDs: 40W IR on
Heater: 80W

Mechanical Parameters

Preset accuracy: To 0.01°
Horizontal movement: Continuous pan 360°
Vertical movement: Tilt -55°~+225°
Manual pan speed: 0.1°~120°/s
Manual tilt speed: 0.1°~60°/s
Preset speed: pan 0.1°~120°/s; tilt 0.1°~60°/s
Net weight: 36 lbs. (16Kg)
Dimensions Dia. X W x H: 9.3"(235mm), 8.1"(205mm), 15.9"(405mm)

Environmental Parameters

Operating temperature: -58°F~158°F (-50°C~70°C)
Operating humidity: 0~90% non-condensing
MTBF: 50,000 hours

Regulatory Compliance:

CE, FCC, ROHS,
ONVIF, NEMA-4X, IP68
ISO9001 Standards

Manufactured to:

Camera Parameters	DNA1798YM24
Image Sensor	1/2.8" Starvis CMOS Progressive Scan Image Sensor
Effective Pixels	2.0M (1920 x 1080)
Output Pixels:	1920(H)x1080(V)
Resolution (H) Pixels:	1080P / 720P / D1
Min. Illum. F1.6, 50 IRE:	Color 0.005Lux/F1.6, 0Lux IR ON
Frame Rate:	1080P (1~60fps); D1(1~30fps)
Optical / Digital Zoom:	45X (F=3.95mm~178mm / 16x
View Angle: Horizontal	70.3°(Wide) ~ 1.8°(Tele)
F-value:	F 1.6 (wide) – F4.9 (telephoto)
Focus:	Auto/Manual (Far/Near)
IR Cut Filter Removable:	Auto(ICR) / Color / B/W
Digital Slow Shutter:	Yes
S/N Ratio; Noise Reduction:	> 56dB; 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(120dB)
White Balance:	Auto, ATW, Indoor, Outdoor, Manual
Sync System:	Internal
Encoder/Parameters	DNA1798YM24
Video Compression:	H.265+/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
Built-in Analytics:	Tripwire - Motion Detection with alarm recording, Cross Warning Zone, Perimeter protection, loitering, abandoned objects, missing objects detection, face detection, scene detection, camera tamper message
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

