

DNA1992T650YM2

Hybrid Thermal Vision 640pixel 2MP IP IR PTZ Dome 30x Auto Tracking - Analytics



DESCRIPTION

The DNA1992T650YM23 Series are Hybrid Thermal and 2MP Network IP IR PTZ Domes with 30X Optical, 24x Digital Zoom that represent state-of-the art, DSP based camera technology. Units are designed with 4th GEN uncooled VOX 640 pixel array image core, 50mm lens and tri mode video outputs: H.264/MJPEG video compression and configurable dual stream output 25/30fps 1920x1080, HD/CVI or NTSC/Analog output. The Series DNA1992T650YM23 needs no active illumination; detects a man-sized threat at 1700m and vehicles at up to 5Km in total darkness. Features are: integrated camera modules, auto tracking, analytics (IVS) and fire detection/alarm. Included are 300 presets, built-in receiver driver, OSD menu with functions, 5 Auto Scan, 5 Patterns, 8 Tours, 24 privacy zones, digital Zoom and LEDs for 150m night vision. With 24VAC voltage, RJ-45 Ethernet port, RS-485 Data, Audio in/out, 7 Alarms input/2 out, micro SD Card, Smart Phone Interface, ONVIF, IP66, the DNA1992T650YM23 series Thermal/IP IR PTZ Domes with built-in Analytics and Auto Tracking are designed to meet the most demanding, commercial and industrial Network Video surveillance installations.



FEATURES

- * Hybrid Thermal IP 2.0MP dual lens IR PTZ Dome With 30x Optical Zoom and WDR (120dB)
- * Uncooled 4th GEN Thermal Image 640 VOX Core
- * High Performance 640 x 512 Pixel Resolution
- * 1/1.9" CMOS Progressive Scan Sensor 1944x1092
- * H.264/MJPEG, configurable Dual Stream Encoder
- * 25/30fps @ 1920 x 1080; 60fps @ 720p Resolutions
- * Illumination Color 0.001/0.0001Lux/F1.6/BW/0lux IR
- * Available with High Quality 50mm Fixed Lens
- * Detection: People – 1700m; Vehicles – 5Km
- * Recognition: People – 400m; Vehicles – 1400m
- * Identification: People – 200m; Vehicles – 700m
- * Built-in Analytics: Tripwire, Perimeter protection, loitering, abandoned objects, missing objects
- * Advanced Fire Detection and Alarm; Auto Tracking
- * High Output IR LEDs for 150m Night Vision
- * 10/100 Mbps Ethernet Compatible; RJ-45 LAN Port
- * 300 Presets, 8-24 Privacy Masking Zones
- * Programmable 5 Auto Scan, 5 Patterns; 8 Tours
- * 7 Alarms in, 2 Alarms out, Audio in/out
- * Smart Phone Interface: iPhone and Android
- * Die Cast Aluminum Housing, Sunshield, Wiper
- * 24 VAC input Voltage, 50Hz/60Hz; SD Card (128GB)
- * Compliance CE, FCC, ROHS, ONVIF, IP66

APPLICATIONS

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

ORDERING INFORMATION

DNA1992T650YM23A-3 Thermal/IP PTZ Dome, 640 Pixel, 50mm Lens, 30x, NTSC out, 24VAC
DNA1992T650YM23B-3 Thermal/IP PTZ Dome, 640 Pixel, 50mm Lens, 30x, PAL out, 24VAC



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Hybrid Thermal Vision 640pixel

2MP IP IR PTZ Dome 30x

Auto Tracking - Analytics



Video Specifications

Video Output: IP, HD-CVI, Analog
Camera ID range: 1-300

Audio Specifications

Audio Input/Output: 1 / 1
Audio Compression: G.711a

Data Specifications

LAN Interface: 10/100Mbps Ethernet RJ-45
PTZ Data: RS-485
Baud Rate/Protocol: 2400, Pelco D

General Parameters

Auto Pan: 0°~360°, 5 auto scan routes
Programmable Presets: 300 with titles
Tours/Patterns/Scans: 8 / 5 / 5
Privacy Masking Zones: 24
Alarm Inputs/Outputs: 7 / 2
Auto Flip Function: 180° Tilt

Electrical Parameters

IR LEDs – Night Vision: 4 High Output; 150m

Input Voltage/Cons.: 24VAC/3A, 40W

Mechanical Parameters

Materials: Die Cast Aluminum w/Sunshield
Manual Pan Speed: 0.1° ~ 200°/sec/max
Manual Tilt Speed: 0.1° ~ 120° /sec/max
Preset Speed: 240° /sec Pan; 200° /sec Tilt
Rotation travel: Pan 360° continuous
Tilt Travel: -2° ~ 90°
Motor: Stepping type
Fan and heater: Continuous fan; auto-start heater
Dimensions H x Dia.: 15”(382mm), 9.5”(240mm)
Weight: 16lbs(7Kg) w/ bracket

Environmental Parameters

Operating Temperature: -40°F~140°F(-40°C~60°C)
Storage Temperature: -40°F~158°F (-40°C~70°C)
Humidity: 0~95% (Non-condensing)

Regulatory Compliance

Agencies: CE, FCC, ROHS, ONVIF, IP66
Manufactured to: ISO9000

DNA1992T650YM23		Thermal Camera Parameters	
Image Detector Type:	4th Generation uncooled VOX Microbolometer		
Sensor Format / Pixel Pitch:	640 x 480(NTSC); 640 x 512(PAL) / 17 Microns		
Fixed Lens:	Highest Quality 50mm		
Angle of View:	12.5°H x 10°V		
Spectral Response/Sensitivity:	7.5um to 13.5um / < 50mK NETD @ F1.0		
Video Format/Output:	IP / HD-CVI or Analog		
Performance 50mm lens:	Detection: people - 1700m; vehicles - 5Km		
Performance 50mm lens:	Recognition: people - 400m; vehicles - 1400m		
Performance 50mm lens:	Identification: people - 200m; vehicles - 700m		
Color Palettes:	14 (White hot/Black hot/Iron row/Ice fire/Fusion/Rainbow/Glo bow/more...		
		2MP IP Camera Parameters	
Image Sensor	Progressive Scan 1/1.9" Exmor CMOS with true WDR(120dB)		
Effective Pixels / Output Pixels	2.0M (1944 x 1092) / 1920(H)x1080(V); 1080P / 720P resolutions		
Min. Illum. F1.6, 50 IRE:	0.001Lux/ICR Off, 0.0001Lux/ICR On		
Frame Rate:	1080P/720P(1~30fps); D1(1~30fps)		
Optical / Digital Zoom:	30X (F=6mm ~ 180mm) / 24x		
View Angle: Wide x Tele; F. Value	61.2°(Wide) ~ 2.3°(Tele) / F 1.6 (wide) - F4.3 (telephoto)		
Focus:	Auto/Manual (Far/Near)		
Privacy Masking:	ON/OFF (up to 24 areas)		
Noise Reduction:	Ultra DNR (2D/3D)		
Gain Control:	Auto / Manual		
Back Light Compensation:	BLC / HLC / WDR		
White Balance:	Auto, ATW, Indoor, Outdoor, Auto		
		Encoder/Parameters	
Video Compression:	H.264/MJPEG, Dual Stream, Configurable		
Network Protocol:	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS, PPPOE, DDNS, FTP, IP Filter, QoS, Bonjour		
Operating System:	Compatible with DNA3700, DNA3750, DNA3800, DNA4000, DNA5000 Series NVR Appliances (embedded Linux); WIN 10 / WIN SERVER		
Web Server:	Intuitive Browser Interface, Internet Explorer, Chrome		

