



DivioTec

NDS294PRO PTZ Camera

Seaport-ready 8MP PTZ with ShakeDry, quick zoom and deep learning

Powerful deep learning-based edge analytics detect critical events for real-time response. With audio and I/O connectivity for extended system integration, it delivers next-generation proactive security. Featuring LightSolver II™, WDR and Smart IR+, it captures clear, detailed video under challenging lighting conditions or in complete darkness. Quick 320x zoom easily track fast-moving objects.

- Rugged, seaport-ready weather-resistant design
- 320x zoom (optical 40x, digital 8x), EIS
- Human tracking, vehicle tracking
- Deep learning reduces false alarms and generates actionable metadata (ONVIF® Profile M)
- Shakedry: shakes off water droplets from the lens
- Slanted design for efficient water runoff and prevented ice build-up
- IP67 weatherproof, IK10 vandal resistance
- NDAA Compliance



8MP at 30fps



S-WDR



IR 250M



ShakeDry



EIS



Defog



De-icing



Video Analysis



Scheduling



Audio



Alarm In/Out



SD Card



PoE++



IP67



IK10



-40°C~65°C

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Camera	
Image sensor	1/1.8" 8MP Progressive CMOS
Lens	4.25-170 mm, F1.6-4.95 Horizontal field of view: 65.66°~ 1.88° Vertical field of view: 39.4°~ 1.09° Diagonal field of view: 73.1°~ 2.13° Autofocus, P-iris
Day and night	Automatically removable infrared-cut filter
Minimum illumination	With LightSolver II™: Color: 0.006 lux B/W: 0.0009 lux; 0 lux with IR illumination ON
Shutter speed	1/71428 s to 1/3 s
Pan/Tilt/Zoom	Pan: 360° endless, 0.1°~ 720°/s Tilt: -15° to +90°, 0.1°~540°/s Zoom: 40x optical, 8x digital, Total 320x zoom Quick-zoom, 256 preset positions, sequences recording (max 8), cruise paths (max 8), auto pan paths (max 4), on-screen directional indicator, set new pan 0°, Shakedry

Video	
Video compression	H.265/H.264/MJPEG
Resolution	3840 x 2160 to 320 x 240
Frame rate	H.265/H.264: Up to 30 fps in all resolutions Motion JPEG: Up to 15 fps in all resolutions
Video streaming	Triple, individually configurable streams in H.265, H.264, and Motion JPEG Controllable frame rate and bandwidth (VBR/CVBR) for H.265/H.264/Motion JPEG
WDR	Up to 140 dB depending on scene
Profile management	Support up to 10 sets of schedules: Day/ Night/ Manual (Start Time, Duration) 10 Profiles
Image settings	Saturation, brightness, sharpness, auto white balance, hue, noise reduction, backlight compensation, day/night threshold, exposure control, iris control, gain control, defogging, WDR: up to 140 dB depending on scene, dynamic text and image overlay, mirroring
Image stabilization	Electronic image stabilization (EIS)
Motion detection	5 Areas
Privacy masks	32 individual 3D privacy masks
ROI (Region of Interest)	5 Areas

Audio	
Audio features	Gain control Audio detection
Audio streaming	Two way audio
Audio encoding	G.711 8KHz, 8 bits (A-Law/U-Law)
Audio input/output	Line input/line output

Security	
Network protocols	TCP/IP, UDP, ICMP, IPV4, IPV6, SNMP v2c/v3, QoS, HTTP, HTTPS, SSL, SMTP, FTP, RTSP, UPnP, DHCP, DNS, NTP, RTP, RTCP, DynDNS, 802.1x

System integration	
Application Programming Interface	Open API for software integration ONVIF® Profile G, S, T, M, specifications at onvif.org
Event conditions	Object Tracking, scheduled event Device status: motion detection, tampering alarm, audio detection, network loss detection I/O: alarm input, audio input

Event actions	Record video: SD card and network share Upload of images in JPG or video in mp4 clips: FTP, HTTP network share, and email Notification: email, HTTP, TCP, FTP, SMTP Alarm output
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Analytics	
Compute Capability	SoC with built-in hardware deep learning accelerator
Analytics	Object classes: human, vehicles Scenarios: auto tracking

Approvals	
EMC	CE/FCC

General	
Casing	IP67-rated, IK10 impact-resistant casing with hard-coated dome and dehumidifying membrane Color: black
Power	AC 24V 90VA; Power over Ethernet (PoE) IEEE 802.3bt Class 8, max 71 W
Connectors	RJ45 10/100/1000 BASE-T PoE AC power input Audio: line in/ line out Alarm: line in /line out
De-icing	Support
IR illumination	LightSolver II™ with smart IR LEDs Range of reach 250 m (820.21 ft) or more depending on the scene
Storage Supported	Support for microSD/microSDHC/microSDXC card Recording to network storage
web browser	Google Chrome (recommended), Microsoft Edge, Firefox, Safari
Operating conditions	-40 °C to 65 °C (-40 °F to 149 °F) Humidity: 10-90% RH (non-condensing)
Dimensions	Ø199 mm (7.83 in) x H 315 mm (12.40 in) x 150 mm (5.91 in)
Net Weight	3 000 g (6.61 lb)
Optional accessories	DivioTec AMS101 Wall Mount, Arm-Type DivioTec AMS102-20 Pendant Pipe Mount, 20cm DivioTec AMS102-50 Pendant Pipe Mount, 50cm
Languages	English, Traditional Chinese
Ordering Information	NDS294PRO 8MP PTZ Network Camera, ShakeDry, EIS, IP67, IK10

Dimension Drawing

