

DIVIO^{Tec}
TM



NDS286PRO

High Speed Pan, tilt, and zoom for panoramic coverage

2MP H.265 at 60fps, 480X (40X Optical, 12X Digital) Auto Zoom Focus, Smart ICR, Speed Dry Function remotely removes water drips from the dome glass, IP67 Weatherproof, IK10 Vandal Proof, Network speed dome



H.265



SD Card



60fps



Video
Analysis



S-WDR



PoE+



-40°C~60°C



Defog



IP67



IK10

Products

- 1/2.8" CMOS Progressive Sensor
- Support 2MP @60fps
- Motorized Lens 4.2~170 mm, F1.6-F4.95
- Support 40x Optical Zoom, 12x Digital Zoom
- Speed Dry Function remotely removes water drips from the dome glass
- Smart Filtering Function Removable IR-cut Filter for Day and Night
- Extreme Wide Dynamic Range (WDR) with multi shutter
- H.265/ H.264/ MJPEG Video Compression
- IP66 Weatherproof, IK10 Vandal Resistance
- Electrical Image Stabilizer (EIS)
- ONVIF Profile S, G, T, M
- Micro SD card slot, Alarm I/O
- Operating Temperature from -40°C ~ 60°C (-40°F ~ 140°F)

Features

High speed outstanding Pan /Tilt /Zoom rotation

The rotation angle and speed of Diviotec PTZ series exhibit exceptional performance. Whether it's the horizontal or vertical angle, these cameras surpass the competitors in the industry, offering a wider and faster range of rotation per second. Diviotec's PTZ cameras excel at covering extensive areas and capturing intricate details, all with just a single camera. With the excellent image quality and precise zooming capabilities, these cameras make it effortless to verify security incidents that catch your attention. Moreover, they can swiftly move between pre-set locations and automatically zoom in response to recognized events. Diviotec also boasts an array of advanced features that can be seamlessly integrated into existing camera systems.



20-degrees above the horizon coverage

DivioTec PTZ series comes equipped with a wider tilt range, providing the ability to see 20-degrees above the horizon for greater situational awareness. The higher coverage range makes OCR and object tracking function more powerful. Diviotec also offers seamless image quality and complete scene fidelity in all directions, both above and below the horizon. As a result, the series is ideally suited to wide area coverage and even at uneven terrain.



Speed Dry remotely removes water drips

Our PTZ cameras are equipped with the innovative SpeedDry function, designed to overcome the challenges posed by raindrops and ensure crystal-clear video footage. With a simple activation from remote, the camera initiates a rapid vibration sequence specifically designed to shake off raindrops from the lens surface. By swiftly eliminating these obstructions, the SpeedDry function guarantees that your video remains uninterrupted and remarkably clear, providing you with the utmost visual clarity even in the harshest weather conditions.



Before



After

Specifications

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| Sensor | |
|------------------------|---|
| Image Sensor | 1/2.8" Progressive CMOS |
| Minimum Illumination | 0.04 lux (color), 0.005lux (B/W) |
| Lens | |
| Lens Type | Motorized |
| Focal Length | 4.25~170 mm, F1.6-F4.95 |
| Iris type | DC iris |
| FOV | 65.66°~1.88° (H)/ 39.4°~1.09° (V)/ 73.1°~2.13° (D) |
| Pan/ Tilt/ Zoom | Pan:360°endless,0.05°~720°/s Tilt:20~+90°,0.05°~540°/s |
| Optical Zoom | 40x |
| Digital Zoom | 12x |
| Capture Range | 2KM |
| Image Setting | |
| Shutter Speed | Auto/ Manual (1/7.5~1/71428) |
| WDR | Off-@60fps/ On-@30fps 140dB |
| Day/ Night | Force Day/ Force Night |
| ICR Day/ Night | Auto/ Force Day/ Force Night/ Sync Day Night |
| Gain Control | Yes, Low/Medium/High |
| Profile Management | Multiple schedule applied to one camera configuration profile or Event management Support up to 10 sets of schedules: Day/ Night/ Manual (Start Time, Duration)10 Profiles |
| Auto Exposure | Auto/ Shutter Priority/ 50Hz/ 60Hz/ Lock |
| White Balance | Yes |
| BLC | Yes |
| Iris Control | Auto/ level 1-10 (10-100%) |
| Noise Reduction | Yes |
| Backlight Compensation | Yes |
| Defog | Yes, Off/ Low/Medium/High |
| Privacy Mask | 8 individual 3D privacy masks |
| Overlay (OSD) | OFF, Date/Time, Camera Name, Custom Text, Camera Name+ Date/ Time, Preset, Direction |

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| | |
|-----------------------------------|--|
| Picture Adjustment | Brightness, Contrast, Saturation, Sharpness, Hue |
| ROI (Region of Interest) | 5 Zones, 3 Level: Low/Medium/High |
| Electrical Image Stabilizer (EIS) | Yes |
| Local Storage | Support Micro SD Card Slot |
| Video Analytics | Human tracking, motion detection, tampering alarm |
| Operation | |
| Multiple Languages | English/ Traditional Chinese/ Simplified Chinese/ Turkish/ Thai |
| Presets | 256 preset positions, 32 presets per tour; Pan speed 0.05°~720°/s Tilt speed 0.05°~540°/s; Preset Accuracy: 0.005° |
| Sequence | Sequence line: 8 (max 16 preset for each line); dwell time: 5~120sec; speed: 30~720°/sec |
| Auto Pan | Auto Pan path: 1~4; speed: 1-90°/sec |
| Cruise | 8 |
| Home Function | Time: 1-120min; Preset/Sequence/Auto Pan/ Cruise/Track |
| Auto Flip Orientation | Yes, flip left to right or flip top to bottom |
| Set pan zero | Yes |
| D/N Auto Focus Calibration | Support |
| Video and Audio | |
| Video Compression | H.265 / H.264 / M-JPEG |
| Video Streaming | Multiple, individually configurable streams in H.265/H.264/MJPEG Bit Rate/frame rate/GOP Length/CVBR/CBR in H.265/H.264 |
| Video Resolution | 1920(H) x 1080(V) |
| SDS (Smart Dynamic Streaming) | Smart GOP, ROI |
| Video Bit Rate | 500K~12000K |
| Audio | Two-way, Line-in/Line-out (phone jack), G.711 8KHz/ 8 bits |
| Transmission Mode | Full-duplex (Talk and Listen simultaneously)/ Half-duplex (Talk or Listen, not at the same time)/ Simplex (Talk only)/Simplex (Listen only)/ Disable |
| Event Management | |
| Event Trigger | Motion Detection, Alarm Handler, Tampering Alarm, Human Tracking, Audio Detection, Network Loss Detection, Trigger Scheduled |
| Notifications | Trigger alarm output, e-mail/FTP and record Snapshot to Network storage or SD card (support for Micro SD/SDHC/SDXC of Storage) |
| Alarm Handler | On/ Off/ Schedule |
| Motion Detection | On/ Off/ Schedule; 5 Zones |

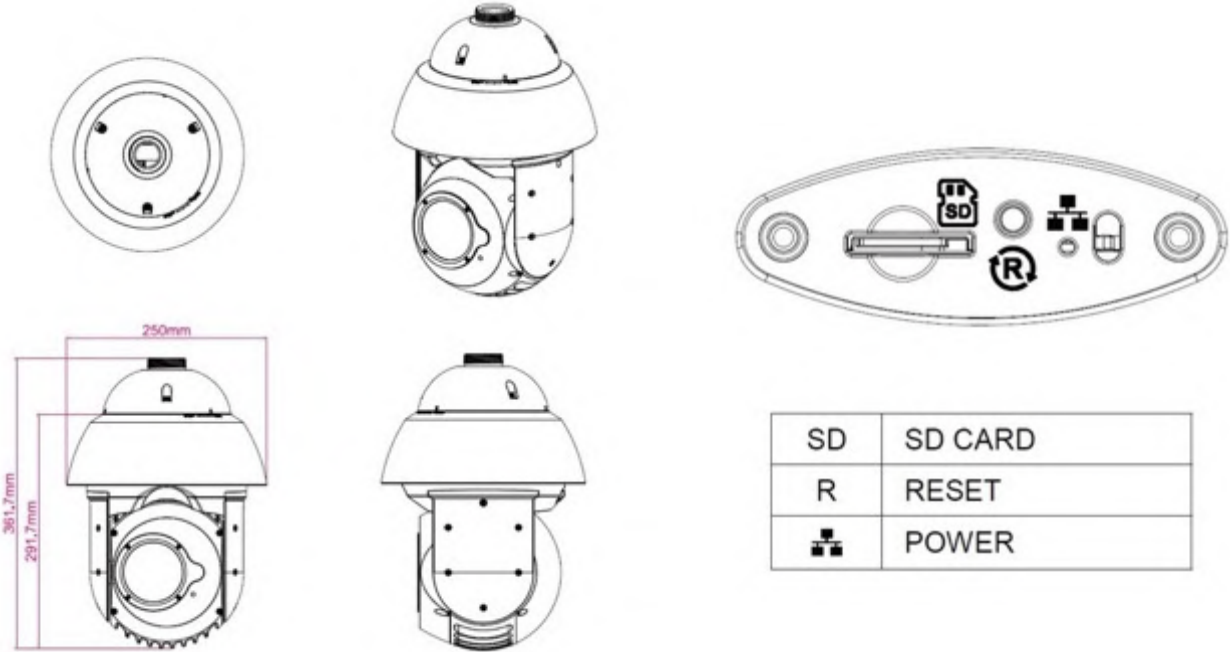
| | |
|-----------------------|---|
| Tampering Alarm | On/ Off/ Schedule |
| Post/ Pre-Recording | Yes |
| Network | |
| Interface | RJ-45, 10/100/1000 BASE-T |
| Protocol | TCP/IP, UDP, ICMP, IPv4, IPv6, SNMP v2c/v3, QoS, HTTP, HTTPS, SSL, SMTP, FTP, RTSP, UPnP, DHCP, DNS, NTP, RTP, RTCP, DynDNS, 802.1x |
| User | 10 user account/ 2 level: admins/ views |
| Connectivity | ONVIF Profile S, G, T, M |
| Browser | Google Chrome (recommended), Internet Explorer, Firefox, Safari |
| General | |
| Operating Temperature | -40°C ~ 60°C (-40°F ~ 140°F) |
| Storage Temperature | -40°C ~ 60°C (-40°F ~ 140°F) |
| Humidity | 90% RH, No Condensation |
| Speed Dry | Remote Manual |
| Weatherproof | IP67 |
| Vandal proof | IK10 |
| Dimension | 250*362mm*(ø)190 mm |
| Weight | 5kg |
| Alarm I/O | Alarm (terminal block-in*1/-out*1) |
| Power Input | PoE (IEEE 802.3bt Class 6); AC 24V, 51W max. |
| Micro SD | Yes |
| Reset Button | Yes |
| Certification | CE/FCC UL |
| Application | SDK available for application development |
| Order Information | NDS286PRO PTZ Network Camera AMS-100-E Wall mount bracket for PTZ network camera AMS-102 Ceiling mount bracket for PTZ network camera |



Accessories (Optional)



Dimension Drawing



Why DivioTec?

DivioTec's aim is to transcend the capabilities of the human eye and deliver an entirely new field of view. Our integrative skills and our 20 years of industry experience are constantly driving new innovations.

Our simple, easy-to-use interfaces and our rock-solid security hardware rapidly earning the respect and confidence of our clients.

We also make a point of listening carefully to our customers' needs, applying what we learn to develop outstanding new products and a culture of exceptional service.

At DivioTec, our experience is your protection.

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