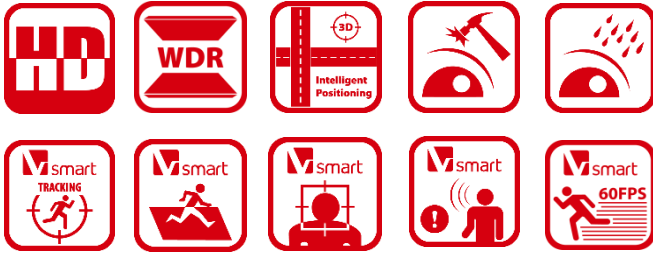# 3MP High Frame Rate Smart PTZ Camera

smart PTZ

Smart PTZ Dome Cameras are able to capture high quality images of fast moving objects with its high frame rate technology(up to 60fps@3MP). Embedded with 1/3'' progressive scan CMOS chip makes true WDR (120dB) and 2MP real-time resolution possible. With the 36X optical zoom Day/Night lens, the camera offers more details over expansive areas. Smart PTZ dome cameras also features a wide range of smart functions, including face detection, intrusion detection, line crossing detection and audio exception, benefitting users with great improvement on security efficiency, more importantly, with key events / objects being recorded for further forensic needs. These features, combined with smart tracking, which enables the camera to detect any progressively moving object and follow it within the camera's area of coverage without fault. Smart Defog and HLC/BLC are further supported to improve image quality in challenging conditions.

Key Features

- 1/3" HD CMOS sensor
- 3MP(2048*1536) resolution
- High frame rate, up to 60fps@3MP
- 36X Optical Zoom
- 120dB True WDR
- Smart Tracking
- Smart Detection
- Defog
- 200m IR distance
- Hi-PoE / 24VAC power supply

3MP High Frame Rate Smart PTZ Camera

Function Description

Basic function:
- High performance CMOS, up to 2048x1536 resolution
- $\pm0.1°$ Preset Accuracy
- ONVIF(Open Network Video Interface Forum), CGI(Common Gateway Interface), PSIA(Physical Security Interoperability Alliance), to ensure greater interoperability between different platforms and compatibility
- 3D intelligent positioning function
- High frame rate up to 3MP
- 3D DNR
- 120dB WDR
- IP66 standard
- 7 alarm inputs and 2 alarm outputs
- Scheduled PTZ movement
- Optional wiper(-W)

Smart function:
- Smart tracking modes: Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger, support smart tracking when patrol between multiple scenarios
- Smart detection: support Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
- Smart recording: support edge recording, support dual-VCA for smart search in smart NVR
- Smart image processing: support defog, HLC/BLC, smart IR
- Smart codec: low bit rate, ROI

Camera function:
- Auto iris, auto focus, auto white balance, backlight compensation and auto day & night switch
- Min. Illumination: 0.05Lux@(F1.6,AGC ON)(Color), 0.01Lux@(F1.6,AGC ON)(B/W)
- Support 24 privacy masks

PTZ function:
- 360° endless pan range and -20°~90° tilt range
- 240°/s Pan Preset Speed and 200°/s Tilt Preset Speed
- 0.1°~160°/s Manual Pan Speed and 0.1°~120°/s Manual Tilt Speed
- 300 presets programmable; preset image freezing capability
- 8 patrols, up to 32 presets per patrol
- 4 patterns, with the recording time not less than 10 minutes per pattern
- Proportional zoom function
- Park action: auto call up of PTZ movement, after a defined time of inactivity
- Power-off memory: restore PTZ & Lens status after reboot

Network function:
- H.264/MJPEG video compression
- H.264 encoding with Baseline/Main/High profile
- ROI(Region of Interest) encoding(support 6 areas with adjustable levels)
- Built-in Web server
- Onboard storage, up to 128GB
- Support up to 8 NAS storage; Edge recording(transmit the videos from SD card to the NAS after network resumed)
- HTTPS encryption and IEEE 802.1X port-based network access control
- Support three streams
- Multiple network protocols supported: IPv4/Ipv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
- 1 audio input and 1 audio output

IR function:
- 0 Lux minimum illumination
- Up to 200m IR distance
- IR light MTBF reaching up to 30,000 hours