

3VR SmartCam™

High-performance megapixel (MP) cameras with integrated 3VR intelligence for optimal efficiency and use with 3VR systems.

With 3VR SmartCams, only critical information, such as motion and faces, is sent to the 3VR system for analysis. This process can minimize CPU resources by as much as 90%, and enables efficient integration of 3VR's high-performance MP cameras with your 3VR system. Other MP cameras send entire images, consuming more CPU resources, which can lower the performance of your intelligent video management platform.



3VR SmartCams Offer:

Efficient MP Camera Support

- Enables Standard Series to support up to 16 2MP 3VR SmartCams versus zero 3rd-party megapixel cameras*
- Enables Premium Series to support up to 16 2MP 3VR SmartCams versus eight 2MP 3rd-party megapixel cameras*

High Resolution

- Obtain resolution that is six times higher (with the 2.0 MP SmartCams) than that of an analog camera
- View larger areas in higher resolution and see details of scenes such as text on license plates, trucks and other vehicles

Powerful Forensics and Monitoring

- Detect faces and motion and utilize other powerful video analytics without overloading your 3VR system

Cost Effectiveness

- Use fewer SmartCams than analog cameras to cover an area, reducing costs

SmartCams for Different Environments

- Select the SmartCam that works best in your location; 3VR offers SmartCams for normal lighting and low-light conditions or all-weather environments. See next page for models and ordering information.
- Utilize SmartCams for a variety of IP-based deployments including retail stores, corporate and government offices, schools, airports, and other facilities



Ordering Info

Product Code:	Description:
SC-MP-02	2.0 Megapixel SmartCam (for normal lighting conditions) w/ Telephoto Varifocal Lens
SC-MP-DN2	2.0 Megapixel Day/Night SmartCam (for low-light conditions) w/ IR Telephoto Varifocal Lens
SC-MP-R2	2.0 Megapixel Rugged SmartCam (for normal lighting and all-weather conditions) w/ Telephoto Varifocal Lens and sun-shroud
SC-MP-RDN2	2.0 Megapixel Rugged Day/Night SmartCam (for low-light and all-weather conditions) w/ IR Telephoto Varifocal Lens and sun-shroud
SC-PM-PoE	Power over Ethernet (PoE) Module (IEEE 802.3af PoE over CAT-5) for network environments that do not support PoE
Note:	3VR also offers 3 MP and 5 MP SmartCams. Please consult your 3VR account manager or email orders@3VR.com for more information.

Technical Specifications

Imager	Progressive Scan CMOS 1/2"
Megapixel	2.0MP
Maximum Resolution	1600x1200
Video Compression	MJPEG
Frame Rate (ips)	At 4:3 (ips): up to 20; At 16:9: up to 27
Min. Illumination (lux)	Color: 0.2 at F1.2, 0.27 at F1.4 B/W (Day/Night models only): <0.05
IR Range (nm)	Day/Night models only: 850-940
Image Settings	Rotation: 180° Automatic white balance, exposure, gain control, electronic shutter, and backlight compensation, night mode to enhance nighttime sensitivity Overlay: Time/date and configurable text displays
Shutter Speed (sec)	1/12,000

Shutter Type	Progressive scan
Lens	For non-Day/Night models: Telephoto Varifocal Lens, 2/3" C, f-stop 2.8, 12-36 mm, C-Mount Range of horizontal view: 12° - 36° For Day/Night models: IR Telephoto Varifocal Lens, 1/2" C, f-stop 1.4, 10-40mm C-mount Range of horizontal view: 13° - 37°
Security	Encrypted Multi-Level User and Admin Access, IP Address Filtering
Connectors	Power: Screw terminal or RJ-45 Ethernet connection (IEEE 802.3af PoE over CAT-5) For non-Rugged models: NTSC (PAL) analog video output via BNC connection (video outputs may be used simultaneously) For Rugged models: punch down terminal for CAT-5 cable
Power Type	12-24VDC or 24VAC, Supports PoE
Power Consumption (W)	<2.5 for non-Rugged models; <6.0 for Rugged models
Operating Conditions	Non-Rugged: -20 to 50°C (-4 to 122°F) Rugged: -30 to 50°C (-22 to 122°F) Humidity: 10 to 80%, non-condensing
Dim. (HxWxD)	Non-Rugged (w/out lens): 2.52" x 2.52" x 4.41" (64 x 64 x 112 mm) Rugged (without support): 3.61" x 4.64" x 7.60" (91.7 x 117.85 x 193 mm) Non-Day/Night Lens: 1.64" x 2.18" (41.6 x 55.3 mm) Day/Night Lens: 1.52" x 2.44" (38.7 x 62 mm)
Weight (w/ lens)	Non-Rugged: 17 oz. (482 g) Rugged: 100 oz (2835 g)
Web Configuration Tool	Camera live view, up to 9 cameras simultaneously
Supported Protocols	IP, TCP, UDP, ICMP, ARP, FTP, SMTP, DHCP, HTTP, RARP, BOOTP, SNMP, Telnet and TFTP protocols
Video Management Platform	Integrates with 3VR SmartRecorder Series and 3VR SmartSearch NVR Series*

* Consult the "3VR Megapixel & IP Camera Guidelines for SmartSearch NVRs" for resource guidelines to using SmartCams and megapixel cameras with 3VR.