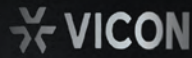


NEXT VNX-SN-VRS1-0 ULTRA HD Camera

MODULAR SENSOR SYSTEM



From install and setup, to AI-enhanced imaging, to advanced onboard technologies, NEXT will change your entire camera experience. The powerful AI-based analytics and color forensic evidence—along with the modular design with mix-and-match components—support endless customer applications.

Five-Minute, Three-Step Installation

Our patented snap-and-twist design, combined with the sensor's AI-powered auto-tuning, reduce installation and setup time to under 5 minutes.

Most Powerful AI Imaging on the Market

The sensor's AI Vision adds a layer of intelligence to traditional video for sharper, clearer, less pixelated images with better color integrity, 24/7.

A Complete Communication System Onboard

The camera is packed with intelligence, including customizable LED signal lightbars, as well as 2-way audio, so you can listen in and broadcast instructions.

Practical Analytics for Real-World Problems

Get real-time intel so you can actively detect incidents before they become critical situations, e.g., a loitering analytic could trigger the camera's light bars and warning messages.

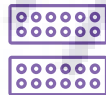
Unlimited Mix-and-Match Applications

Just a handful of unique components can be mixed and matched as your needs evolve; all components are completely modular, hot-swappable, and universally interchangeable.



AI Analytics

Real-time intel lets you proactively detect and prevent incidents before they become critical situations.



Programmable LED Signal Lightbars

Four programmable lightbars can communicate situational awareness status, e.g., flashing red for warning, solid green for all-clear, blue for shift change, amber for person in lobby, etc.



Powerful Microphones

Two powerful microphones let you hear what's going on within 50 feet (15 m) in any direction of the sensor.



360° Speakers

Two commercial-grade speakers emit customized messages up to 50 feet (15 m) in all directions, so you can communicate pre-recorded instructions and warnings PLUS direct talk-down in real-time

When used with Vicon's Anavio platform, each NEXT sensor comes with a free Anavio license.

Will These Features Work With My VMS?

Yes! NEXT is certified for compatibility with the industry's leading VMS platforms, allowing you to leverage all of these innovative features without having to rip and replace your existing systems and infrastructure.

NEXT VNX-SN-VRS1-0 ULTRA HD Camera

Camera Sensor

System on Chip (SoC)

SoC	AI Vision Processor
Neural Net Processing	20 TOPS
Memory	2GB DDR + 4GB eMMC

Imaging

Image Sensor	1/1.8"
Resolution	Ultra HD 4K (3840 x 2160)
Image Signal Processing (ISP)	AI De-noise, Neural Net HDR
Image Settings	Automatic; self-tuning with AI signal processing
Minimum Illumination	Low-light color 0.02 lux
IR	Artificial Intelligent Retina (AI-R)
Day/Night	AI ISP in full color
WDR	120 dB True WDR
Shutter Speed	Auto (full frame rate)
On-Screen Display	Date and time Camera name/text string (up to 85 characters, customizable) OSD position setting Configurable font color, background color, and character size

Lens

Field-of-View	Wide: 109.8° (H) x 61.8° (V) Tele: 57.2° (H) x 32.2° (V)
Focal Range	4.42 mm - 9.51 mm (motorized varifocal with autofocus)
Focus Control	Auto
Aperture	f1.35
Iris	P-Iris (Auto)

Positioning

Lens Positioning	Remotely adjustable pan, tilt, roll, zoom (PTRZ)
Pan (Yaw)	+/- 175°, > 10°/s
Tilt (Pitch)	15° ~ 95°, > 10°/s
Roll	-5° ~ 95°, > 10°/s
Presets	2
Orientation	Landscape and portrait (corridor) modes
Privacy Zones	8 zones

Video

Image Compression	H.265, H.264, MJPEG	
Maximum Frame Rate	30 fps	
Resolution & Streams	4 streams @ 30fps 3840 x 2160 1280 x 720 720 x 408 384 x 216	4 streams @ 25fps 3840 x 2160 1920 x 1080 1280 x 720 720 x 408
Maximum Streams	10 at 8 Mbps per stream (80 Mbps total)	
Customized Video Profile	CBR/CVBR	
Data Rate	500-12000 bps	

Communications

Audio Compression Format	A-Law/μ-Law, Opus
Microphones	2 microphones; up to 50 ft (15 m)
Speakers	2 speakers; up to 50 ft (15 m)
Pre-Recorded Messages	10 customizable audio files
Direct Talk-Down	Yes
LED Signal	4 RGBW Lightbars; up to 50 ft (15 m)

Camera Sensor cont'd

System Integration

Real-Time Analytics	Motion detection, tamper/blur detection, tripwire/line detection cross detection, intrusion detection, crowding detection, loitering detection, tailgating detection
Forensic Analytics	Museum search, classification (people, vehicle, animal), vehicle color, people attributes (lower and upper body clothing color)
Onboard Storage	microSD (sold separately) Up to 1TB per Sensor

Dimensions + Constructions

Camera Sensor Material: Aluminum Magnesium Alloy and Polycarbonate (factory sealed)


Solo Fixture Material:

Engineered Polymer

Combined Weight: 1.63 lbs (0.74 kg)

Color: Black

Compatible With: Conduit Mount, Wall Mount, Pendant Mount, Electrical Box Adapter, Pole Mount, Corner Mount, In-Ceiling Mount



4.38 in.
(111.5 mm)

Ø 4.44 in. (113 mm)