



## VIAAS CAMERA ONE

**Professional grade security camera tightly integrates with the VIAAS online service to deliver unmatched functionality at dramatically lower total cost of ownership.**

VIAAS provides state of the art video monitoring, secure remote access, and reliable archiving at an unbeatable price. VIAAS Camera One is tightly integrated with the VIAAS service to provide simplified install and zero-touch configuration. Simply plug Camera One into a Power over Ethernet cable and it uses your broadband connection to securely upload video to the VIAAS online service. No configuration, no setup, no maintenance – it just works.

### HIGHER VALUE AT DRAMATICALLY LOWER COSTS

#### Powerful Functionality

VIAAS is a professional video surveillance system at less than 1/4 the entry price of equivalent systems. The powerful user interface is optimized for remote access - you can get your video wherever you are. The unique NOW function makes efficient real-time monitoring and real-time streaming only a click away. And everything on VIAAS is saved to enterprise-class archives.

#### Works with your current connection

Camera One features carefully tuned H.264 compression to deliver great video in less than 380kps. With patented Bandwidth Shaping™, you can support up to eight cameras on a basic DSL or Cable connection (384 kbps uplink bandwidth).

#### Lower costs

Camera One compares favorably to devices four times as expensive, and you save even more since you don't need video recorders or software. The reduced maintenance, enhanced reliability and simplified operation means the VIAAS monthly subscription actually reduces ongoing costs.

### FEATURES

**Zero Configuration:** Camera One typically requires NO network configuration or modification.

**High Quality Images and Video:** Ultra Wide Dynamic Range imager (up to 110 db), and state of the art H.264 encoder delivers great video quality in almost any lighting situation. Bright sunlight and shadows? Indoor/Outdoor imaging? No problem.

**True Day/Night:** A built in IR exchanger provides great color during the day and high sensitivity B&W IR at night. And with an external illuminator, Camera One can capture images in the dark.

**IntelEvent™ Generation:** Camera One captures IntelEvents based on reliable intelligent object based motion tracking. IntelEvents consist of video with pre-roll and post roll as well as high resolution JPEG images that accurately summarize the event. Region masking and object size sensitivity controls allow you to dial in exactly what you want tracked.

**Bandwidth Shaping:** Camera One utilizes Micro SD card storage to “shape” bandwidth requirements. In normal operation Camera One provides full functionality in less than 30kilobits/second of Internet bandwidth. Camera One also supports scheduled bandwidth shaping to ensure no impact on existing applications.

**Encryption and Signing:** All Camera One images and video are fully signed with strong stream based encryption. Your privacy is fully protected. And if you need to use Camera One images or video in legal proceedings, digital signatures validate time, date, camera of origin and media.

**Active Software:** Camera One software is automatically maintained by the VIAAS service. Your camera will always be up to date. New services and functionality are constantly being rolled out to enhance the value of your camera.



High quality images



Compatible with IR



Good low-light performance



Ultra-wide dynamic range

## REQUIREMENTS

- Valid subscription to VIAAS Service
- Broadband Internet connection with 384kbps uplink bandwidth to support streaming, shared across all cameras in facility
- With MicroSD card, shaping requires approximately 30kbps per camera for typical scenes and activity levels
- Power over Ethernet (Class 2)
- Monitoring is through VIAAS service, which requires a modern browser with Flash v10 or above for full functionality

## TECHNICAL SPECIFICATIONS

### Imager

- 720x480 Resolution HDR CMOS Sensor
- 4.7 V/LuxSecond
- Day Mode
  - 20 FPS
  - Color, up to 110db UltraWide Dynamic Range
  - Minimum light 1lux
- Night Mode
  - 8 FPS
  - Black and White, up to 80db UltraWide Dynamic Range
- Visible light and IR sensitive
- Minimum light 0.1lux

### Integrated IR Filter and Exchanger

- True color during daylight and full IR sensitivity at night.
- 675 nm cut filter when engaged
- Compatible with IR Illuminators
- Day, Night, and Auto selection modes

### Connection

- Ethernet 10/100BaseT RJ45 Connector
- PoE Class 2 Device

### microSD Card

- Micro SD/SDHD card compliant
- Minimum 512MB, max 16GB
- Automatic formatting

### Lens Mount:

- Industry standard M12 mount
- Supports lens with minimum mechanical back focal length 5.75mm or greater

### Included Lens:

- F1.8 4x Zoom lens
- Horizontal FOV of 25 to 70 degrees.

### Imaging Formats

- H.264 Baseline profile video
- High Quality full resolution JPEG images for IntelEvents
- JPEG thumbnails for IntelEvents

### Bandwidth

- < 384 kbps live streaming bandwidth
- 30 kbps default shaping bandwidth
- Full functionality on typical DSL and Cable broadband connections for up to 8 cameras when using shaping
- Support up to 30 camera on single T1

### CPU

- TI - DM6446 at 594 Mhz
- 297 Mhz ARM9, 594 Mhz DSP
- 128 MBytes DRAM

### Power

- Power Consumption: < 5 Watts.

### Environment

- Operating temperature range: 0C to 50C (32F-120F)

### Included Camera Mount

- Selectable foot - drop ceiling scissor mount or 2.5" diameter screwmount (with screws and anchors),
- 1 1" and 2 2" extenders
- 180 degree adjustable head

### Tripod Socket

- Industry standard 1/4-20

