

## iSTAR Ultra Video Access + Video Appliance



### Features That Make a Difference:

- Control up to 8 doors and 8 IP cameras in one small, low-cost appliance
- Managed by remote integrated C•CURE 9000/victor application
- Scalable to thousands of sites
- Intuitive web-based start-up wizard with camera auto-discovery reduces commissioning time
- Local video storage and caching
- Unparalleled video stream management with full transcoding functionality
- Powerful video analytics save time; improve situational awareness
- Supports ONVIF Profile S
- Manages up to 500,000 cardholders in local memory
- Native intrusion zone functionality
- FIPS 197 AES 256 network encryption
- Included in Tyco Security Products Cyber Protection Program to help reduce risk of vulnerabilities

### Integrated Security at the Edge

Incomparable access control and video unite to deliver lower operational costs and unparalleled security at the edge.

iSTAR Ultra Video offers highly distributed, small site security without sacrificing enterprise performance.

This small appliance combines the robust access control features of iSTAR with embedded video recording and management to meet the security needs of small remote sites.

Unlike other unified solutions on the market which include the head end in the appliance, iSTAR Ultra Video is an enterprise-class system that is remotely managed by an integrated C•CURE 9000/victor application.

### Distributed Access Control

Each iSTAR Ultra Video appliance supports up to 8 readers and 8 IP cameras. Used with IP-ACM Ethernet door modules\*, iSTAR Ultra Video is ideal for remote networking facilities, fiber huts and other small but critical facilities that need constant monitoring and control. This highly distributed security architecture can scale to thousands of sites, making it ideal for enterprise customers with remote locations.

Each iSTAR Ultra Video appliance manages up to 500,000 cardholders in a local database and can buffer up to 500,000 transactions locally when offline from the host.

### Video Where You Need It

iSTAR Ultra Video includes the full functionality of a VideoEdge NVR, one of the fastest and most powerful NVRs in the industry. Its built-in intelligence allows users to receive multiple video streams for live, record, alarm, and meta-data collection.

iSTAR Ultra Video leverages this power in a small design that provides full configuration and viewing functionality at the remote location; all while providing bandwidth-managed movement of the data distributed locally from where the video is securely stored. Easily back up video to any network location to increase storage capacity and system reliability.

### Built In Transcoding with Smart Streaming Optimizes Bandwidth

Smart Streaming technology tailors video streams based on viewing conditions, which results in superior video and significantly reduces network bandwidth, CPU resources, and memory usage. VideoEdge dynamically scales and transcodes multiple live streams to all clients, further reducing bandwidth

Distributed video recording and Smart Streaming optimizes bandwidth, mitigates video loss in the event of a network outage, and allows for cost-effective local storage expansion.



\*Please see the individual product data sheets for iSTAR Ultra, VideoEdge and IP-ACM for detailed information.

# Features

## Pre-loaded, Pre-licensed, Ready to Go

Each iSTAR Ultra Video is factory-imaged with the latest firmware. Choose between two-, four-, or eight-camera models, permanently licensed and ready for field startup and deployment. Additional camera licenses (up to the maximum of 8), as well as up to two video analytics channels, may be added in the field.

First-time installation is a breeze with a built-in startup wizard. Simply set up network parameters and use the intuitive camera auto-discovery tool to automate the assignment of IP addresses. Once online to the front end, the unit is managed centrally and the installer can easily troubleshoot any issues locally or remotely using a web diagnostics tool.

By combining the access control and video surveillance functions into a single device, the customer has a less expensive installation with the benefit of unified functionality and management.

## Flexible Mounting Options

iSTAR Ultra Video's extremely small form factor allows for easy placement on a typical rack shelf. A standard VESA mounting bracket is included, allowing the unit to be mounted on a vertical surface or within a panel enclosure.

## Integrated Security Solution for Small, Remote Offices

iSTAR Ultra Video is perfect for large corporations whose footprints include smaller remote facilities – small offices, health clinics, even retail locations that are part of a larger enterprise. Without the expense of installing separate controllers and NVRs, the combination of iSTAR Ultra Video, IP-ACMs, and IP cameras makes an ideal integrated security solution at a very reasonable price.



## Backed by Cyber Protection

Our Cyber Protection Team is vigilant in monitoring for vulnerabilities and responds promptly. For details about our holistic approach to cybersecurity, visit [www.tycosecurityproducts.com/cyberprotection](http://www.tycosecurityproducts.com/cyberprotection)

## Intrusion Zones Enhance Security

For your most critical areas, iSTAR Ultra Video features built-in intrusion zone functionality allowing you to monitor and respond to intrusion alarms quickly, without relying on a third-party intrusion panel. Any door or input wired to the IP-ACM Ethernet door modules can be configured as part of an intrusion zone, either as a 24/7 monitored input such as a glass break detector, or as a controlled input such as a motion sensor or door. Zones can be armed and disarmed using a combination of card and/or PIN, and/or remotely from C•CURE 9000 or victor clients. Entrance and exit delays, bypass, and custom triggers and commands are all configurable per zone for the utmost in flexibility. In response to zone alarms, specific cameras may be configured to present a live view and/or recorded video to the operator.

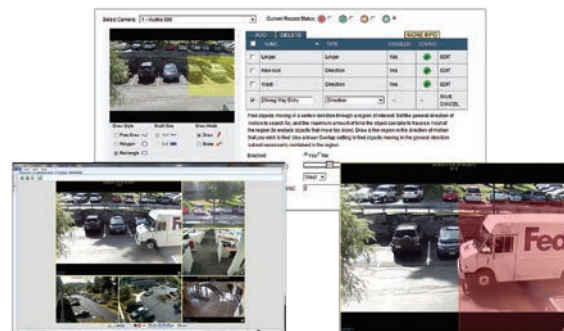
## Video Analytics Deliver Business Intelligence

Analytics transform video into business intelligence to better analyze operations, maximize revenue potential, and increase situational awareness. Our robust analytics engine creates powerful meta-data that lets you quickly search for video and visualize results on dashboards or heat maps in just seconds.

Our growing suite of analytics includes:

- Facial Recognition
- Dwell
- Linger
- Enter and Exit
- Direction
- Crowd Formation
- Object Detection
- Object Removed/Abandoned
- No Customer Present (POS Text integration)
- Color Filtering
- Queue Length Monitoring

For details on our video analytics, visit our website.



# Features

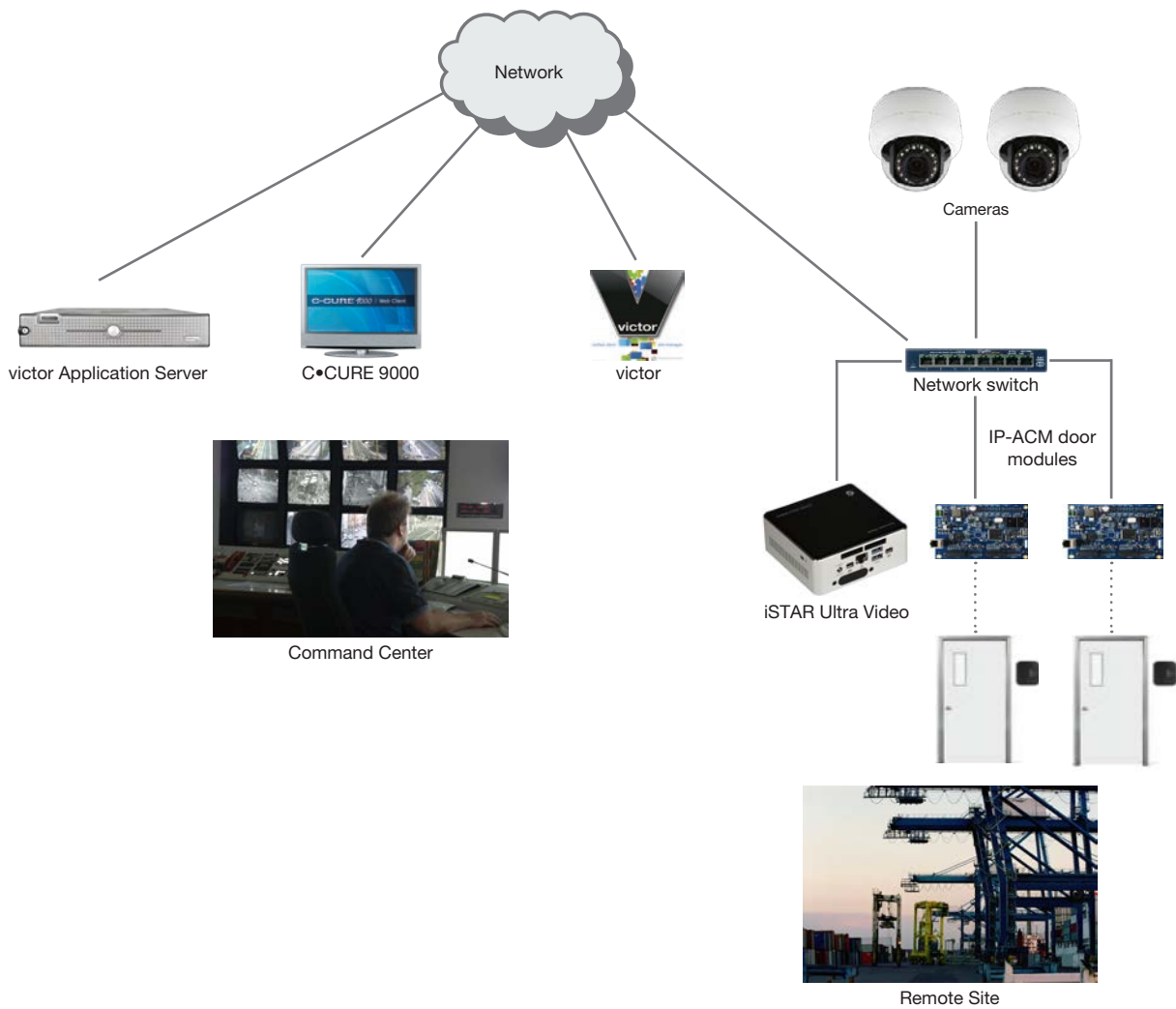
## Sometimes the Smallest Sites Need the Biggest Security

There are key critical infrastructure sectors whose assets, systems, and networks, whether physical or virtual, are considered so vital that their incapacitation or destruction would have a debilitating effect - on security, national economic security, national public health or safety, or any combination thereof. Due to their small and distributed nature, it was hard to find a scalable yet economic solution for providing access control and video monitoring to these critical sites requiring air tight security in very small, remote installations:

- Power Sub Stations
- Water Distribution Stations
- Electrical Grid Stations
- Data Centers
- Server Farms
- Cellular Towers



This is where iSTAR Ultra Video excels - providing these critical sites with a small footprint reliable security solution that can scale to hundreds or thousands of sites...all linked together and managed by a central command center. And all with a reasonable price tag.



## Specifications

### Physical

Dimensions (H x W x D) . . . . . mm (inch) 115 x111 x 48.7  
(4.53x4.37x1.9)  
Environmental . . . . . 0° to 49° C (32° to 120° F)  
Weight . . . . . 1.4 kg (3 lbs)  
Mounting . . . . . VESA mounting bracket included for  
vertical mounting

### Electrical

Power Requirements . . . . . 19 VDC 65W wall mount AC-DC power  
adapter. Multi-country AC adapter,  
115/230VAC  
Heat Dissipation . . . . . 90 BTU/HR typical  
RTC Battery . . . . . CR2032 Lithium coin cell

### System CPU, Memory & Storage

CPU . . . . . Intel Core i5 vPro with TPM module  
Memory . . . . . 16 GB SO-DIMM RAM  
Operating System . . . . . SUSE Linux JeOS (SLES 12 SP1)  
System Drive . . . . . 500GB SSD Hard drive  
Video Storage Drive . . . . . 1 TB SATA II, HD 2.5", 5400 rpm  
Cardholder capacity . . . . . up to 500,000, dependent on host  
Display Interface . . . . . 2 mini-display ports; mini-USB-to-DVI  
adapter included  
USB ports . . . . . 4 USB 3.0

### Network Communications

Ethernet Ports . . . . . One 10/100/GigE full duplex LAN port  
Network Encryption . . . . . AES 256-bit  
802.1X port Authentication  
Protocol . . . . . Yes, EAP-TLS and EAP-PEAP supported  
Cluster Support . . . . . Single panel cluster support only

### Readers

Number of Readers Supported . . . . . 8, using IP-ACM Ethernet Door Modules.  
Each IP-ACM supports up to 2 readers

### Inputs

Number of Supervised  
Inputs Supported . . . . . 32, using IP-ACM modules. Each IP-ACM  
has 4 supervised inputs  
Additional Inputs per IP-ACM . . . . . Tamper switch  
Input Expansion . . . . . Each IP-ACM supports up to 2 8-input  
expansion modules via RS-485 RM bus

### Outputs

Number of Outputs Supported . . . . . 16, using IP-ACM modules. Each IP-ACM  
has 2 wet/dry relay outputs  
Output Expansion . . . . . Each IP-ACM supports up to 2 8-output  
expansion modules via RS-485 RM bus

### Video Specifications

Maximum Cameras Supported . . . . . 8  
Video Recording Throughput . . . . . 40 Mbps  
Video Playback Throughput . . . . . 40 Mbps  
Video Transcoding Streams  
Supported . . . . . 14  
Video Analytics Channels . . . . . Yes, maximum of two per unit

### Regulatory

Access Control . . . . . UL 294, CSA C22.2 No. 205  
Safety . . . . . EN 60950, IEC 60950  
EMI/EMC . . . . . FCC Part 15 Class A, EN 55022, EN 55024,  
EN 50130-4, AS/NZS CISPR 22,  
ICES-003 Class A  
Network Encryption . . . . . FIPS 197  
Environmental . . . . . RoHS, WEEE  
Warranty Period . . . . . 3 years for hardware, 2 years for HDD,  
1.5 years for software, from date of  
manufacture

## Ordering Information

Model Number	Description
USTARVID-802-1	iSTAR Ultra Video, supports up to 8 readers, with 2 IP camera licenses and 1 TB storage, 1 NIC
USTARVID-804-1	iSTAR Ultra Video, supports up to 8 readers, with 4 IP camera licenses and 1 TB storage, 1 NIC
USTARVID-808-1	iSTAR Ultra Video, supports up to 8 readers, with 8 IP camera licenses and 1 TB storage, 1 NIC
USTARVID-ADDCAM	iSTAR Ultra Video additional IP camera license (max of 8 per unit)
USTARVID-ADDILL	iSTAR Ultra Video additional IP camera license for Illustra Pro (max of 8 per unit)
USTARVID-ADDVAC	iSTAR Ultra Video additional video analytics channel (max of 2 per unit)

## Related Products



C-CURE 9000



victor



Illustra IP  
Cameras



IP-ACM Door  
Modules