

# **TACTICAL VIDEO COMMAND CENTER**

## **HD Conferencing, Streaming and Recording**

*AES-256 Encryption*

*Keycard Secure  
System Automation*



Media **POINTE**

### **TAC-CR**

5960074; 6445777  
(US PATENTS)

The TAC-CR is the world's only complete tactical visual communications solution. Conduct and stream a live multipoint video conference. Auto record conferences or video from internal or remote cameras. Auto upload and delete recordings for remote command operations. Pull remote content VOD (Video On-Demand). . . . All Wireless, High Definition, Encrypted and Secure.

#### **FEATURE HIGHLIGHTS**

- Secure user key card automation
- AES-256 encrypted VTC, streaming and file transfer
- NATO 24V DC or 115V AC operation
- Auto file download to USB
- Auto encrypted FTP upload
- VOD playback of remote content
- Unicast or multicast streaming
- Encode virtually any format
- Support for portable electronics (i.e., smart phones, iPad)
- High brightness, sunlight readable optically bonded display - 1080P LCD / LED display
- Embedded HD low light camera produces high quality images for nighttime operations
- Military spec case is man portable with EMI/RFI shielding
- Ruggedized, waterproof, dust proof
- SIP integration
- Cisco call manager compatible
- Incorporates JITC certified Cisco C-40 or C-60 codec
- Optional satellite or terrestrial based wi-fi/ broadband terminal
- Embedded microphone and speakers for high quality, reliable audio



TRANSMIT, RECEIVE, AND RECORD HD VIDEO AND DATA  
IN REAL-TIME FROM MULTIPLE LOCATIONS

## OVERALL SPECIFICATIONS

### DIMENSIONS

- 25.5 x 24.5 x 14.5"
- 70 lbs.
- Pull handle and casters

### RECORDING

#### ENCODING/STREAMING

- H.264
- RTSP
- Unicast
- Multicast

#### RECORDING

- Multiple encoding rates
- Multiple frame rates
- Optional title and credit slides
- Auto record video conferences

#### ARCHIVES

- Access through web browsers (no client software needed)
- No file size or duration limit (within constraints of hard drive)
- Thumbnail images of files
- Automatic download to USB
- Automatic FTP upload w/ encryption

#### VIDEO-ON-DEMAND (VOD) PLAYER

- Securely browse/play remote archives and streams

#### STORAGE

- Total storage hours will vary based on content data rate and resolution estimated at:
- 22 hours at 5 MB
- 110 hours at 1 MB
- 220 hours at 500 KB
- 44-440 hours - AESOP

#### SECURE KEYCARD AUTOMATION SYS

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TAC-CR

## HD CODEC SPECIFICATIONS

### COMMUNICATION PROTOCOLS

- H.323
- IETF SIP

### VIDEO

#### COMPRESSION STANDARD

- H.261
- H.263
- H.263+
- H.264

#### RESOLUTION

- Up to 1080p

#### BIT RATE

- H.323/SIP up to 6 Mbps point to point.

### AUDIO

#### BANDWIDTH & CODING

- G.711
- G.722
- G.722.1
- MPEG4 AAC-LC

#### ECHO CANCELLATION

- Stereo echo-canceling supported
- Noise reduction included
- Automatic gain control included

#### INTERFACE

##### VIDEO INPUT

- 2 HDMI
- 1 DVI-I
- 1 analog component (Y/Pb/Pr)
- 1 s-video/composite

##### VIDEO OUTPUT

- HDMI (video, audio) RGB
- DVI-I

##### AUDIO INPUT

- Mic input x 2 (phantom powered)
- Audio input (MIC/AUX) x 2 (RCA pin, stereo) x 1
- 1 HDMI

##### AUDIO OUTPUT

- HDMI (audio, video)
- Line output (RCA pin, stereo)
- REC output (RCA pin, stereo)

##### CAMERA CONTROL

##### FAR END CAMERA CONTROL

- H.281

##### CONTROL/MAINTENANCE

##### INTERFACE

- RS-232C

##### NETWORK

- 10BASE-T/100BASE-TX
- ISDN unit interface

##### WIRELESS

- 802.11 b/g

## DISPLAY SPECIFICATIONS

### DIMENSIONS

- 25.5 x 24.5 x 14.5"
- 70 lbs.

### DISPLAY TYPE

- 22" diagonal FHD active matrix LCD with LED BLU back light and optical bonding

### MAXIMUM RESOLUTION

- 1920 x 1080i (true HD)

### HDMI INPUTS

- 1 PC (RGB inputs)
- 1 DVI inputs
- 1 (DVI-D) signal inputs- PC
- 1920 x 1080 max

## CAMERA SPECIFICATIONS

### LENS

- 10x optical zoom, f=5.1 mm (wide) to 51.0 mm (tele), F1.8 to F2.1

### DIGITAL ZOOM

- 20x (200x with optical zoom)

### TILT RANGE

- 9° vert (4.5° up/ 4.5° down)

### HORIZONTAL VIEWING/LENS ANGLE

- 2.9° ~ 54.1°

### WHITE BALANCE

- Auto
- Indoor
- Outdoor
- One-push
- Manual

### BACKLIGHT COMPENSATION

- On/off

### SIGNAL SYSTEM

- HD: 1080/59.94i, 1080/50i, 720/59.94p, 720/50p
- SD: NTSC (crop/squeeze), PAL (crop/squeeze)

### FOCUS SYSTEM

- Full auto (normal AF/interval AF/zoom trigger AF), one-push trigger, manual, infinity, near-limit setting