

Encoder & Decoder Application Notes

VIDEO OVER IP



TCS-8500



TCS-3000



TCS-1500

- H.265/H.264/MJPEG
- Encoder/Decoder
- 2160p60 (4K)
- HDMI 2.0
- Quadruple Streaming

- H.264/MJPEG
- 1CH Encoder
- 1080p60 (Full HD)
- HDMI/3G-SDI/BNC
- Quadruple Streaming

- H.264/MJPEG
- 4CH Decoder
- 1080p30XQuadview
- HDMI Output
- 1080p60 (Full HD)

Common Features

- Onvif Profile S, G, T
- Quadruple Streaming
- RTSP, RTMP, MPEG-TS
- Burn-in OSD
- Visca / Pelco D, P / Canon Protocol
- Sensor & Alarm
- SRT (Secure Reliable Transport)
- USB Recording
- RS-232,422,485
- PoE (Power over Ethernet)
- G.711/AAC
- Fully integrated with Various VMS

APPLICATION

TCS-8500 4K60p HEVC Encoder / Decoder
TCS-3000 1080p50/60 Full HD Encoder
TCS-1500 1080p50/60 Full HD Decoder



MEDICAL



BROADCAST



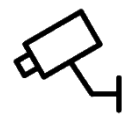
SPORTS



EDUCATION



DIGITAL SIGNAGE

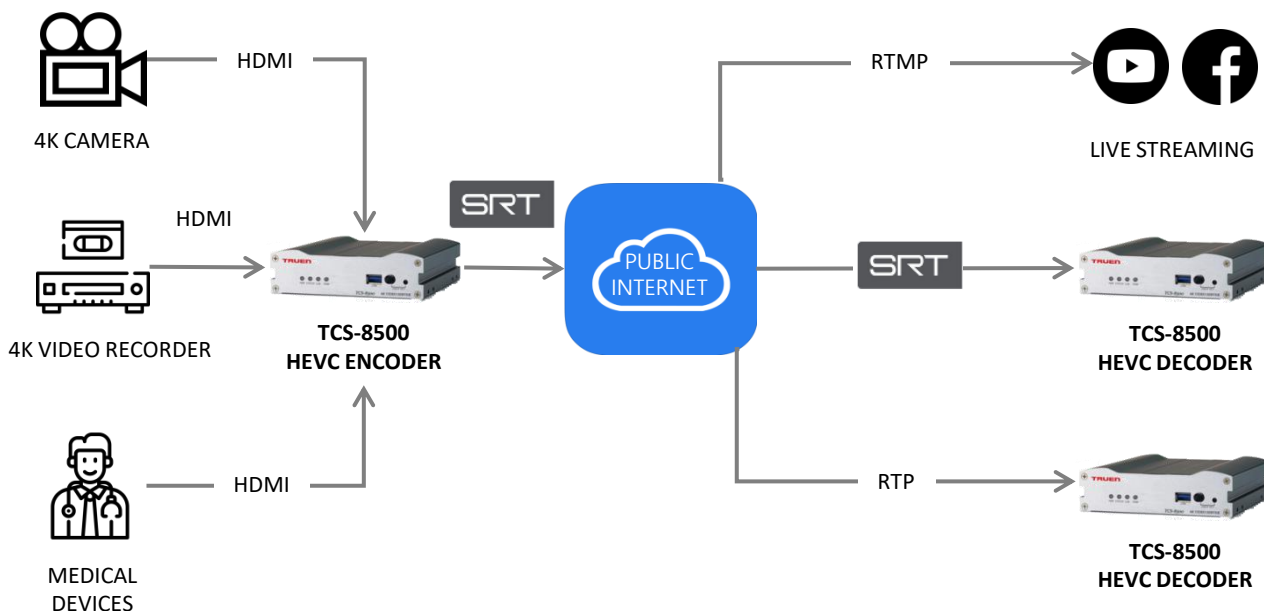


SURVEILLANCE

SRT Open Source Protocol

Deliver
Secure,
High quality,
Low latency video across the public internet

THE MOST FLEXIBLE 4K HEVC ENCODER & DECODER TCS-8500 X SRT Protocol



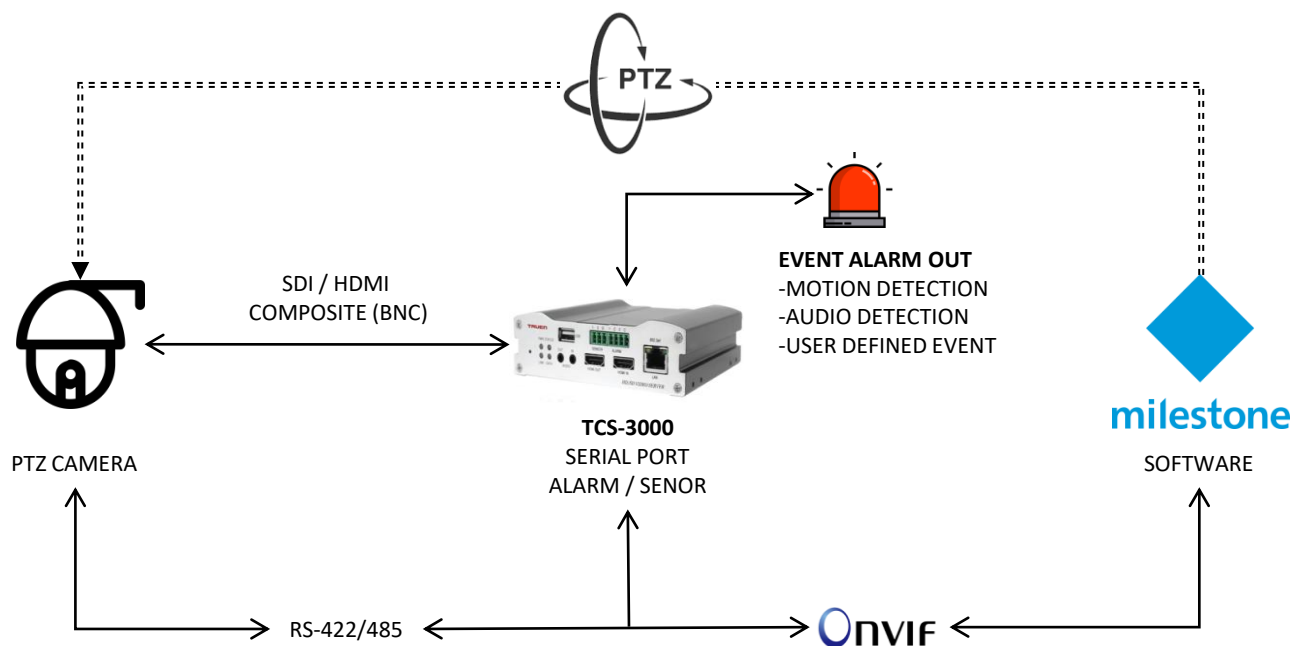
TCS-8500

- H.265 / H.264 / MJPEG
- 1Ch Encoder / Decoder
- 2160p60
- HDMI 2.0
- Quadruple Streaming

- ONVIF Profile S, G
- SRT (Secure Reliable Transport)
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- Sensor
- Alarm
- Burn-In OSD
- PoE

Full HD Encoder – PTZ Control TCS-3000 X MILESTONE



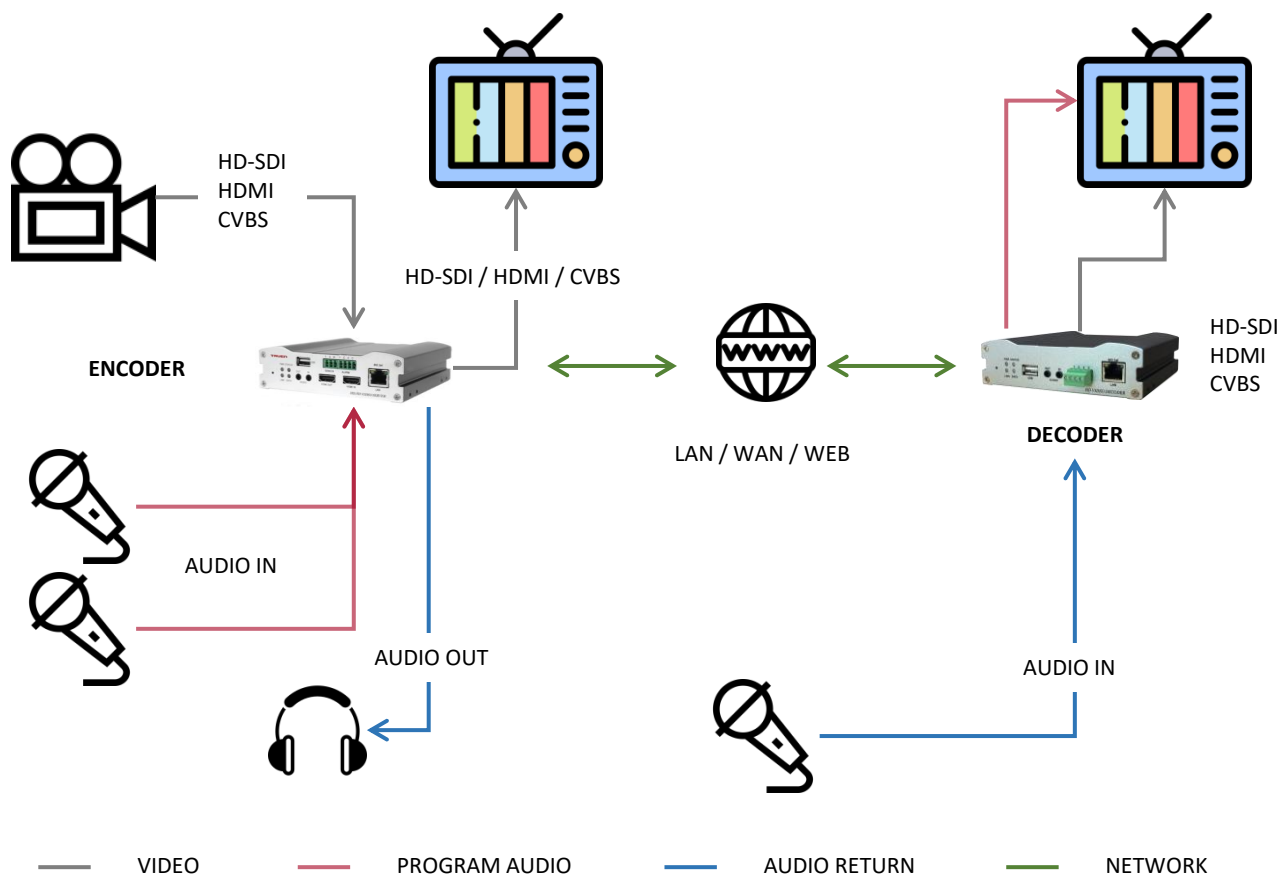
TCS-3000

- H.264 / MJPEG
- 1Ch Encoder
- 1080p60
- HDMI / 3G-SDI / BNC
- Quadruple Streaming

- ONVIF Profile S, G
- SRT (Secure Reliable Transport)
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POINT TO POINT APPLICATION TCS-3000(ENCODER) X TCS-1500(DECODER)



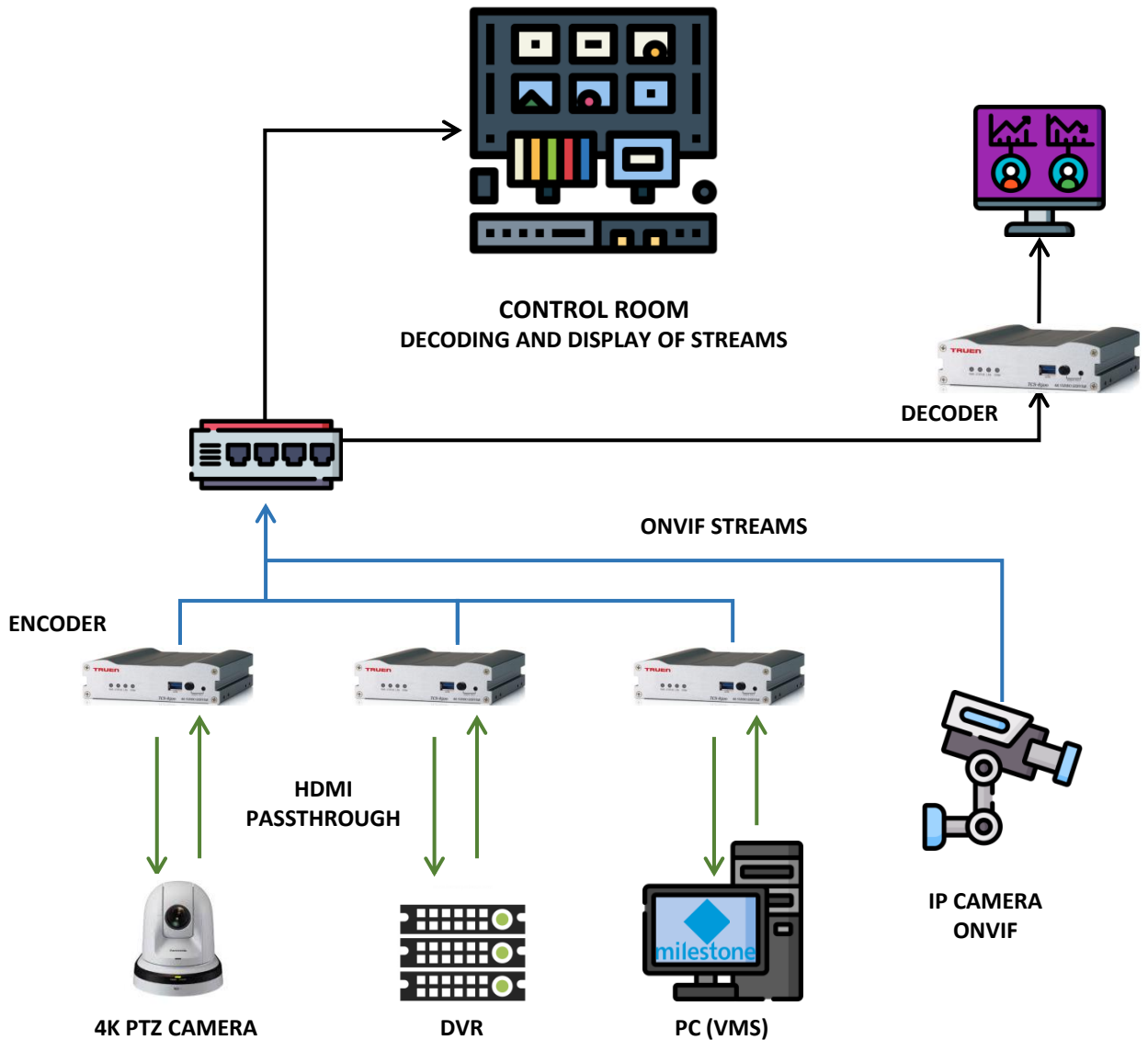
TCS-1500

- H.264 / MJPEG
- 1Ch Decoder
- 1080p60
- HDMI / 3G-SDI / BNC
- Quadruple Streaming

- ONVIF Profile S, G
- SRT (Secure Reliable Transport)
- USB Recording
- G.711 / AAC
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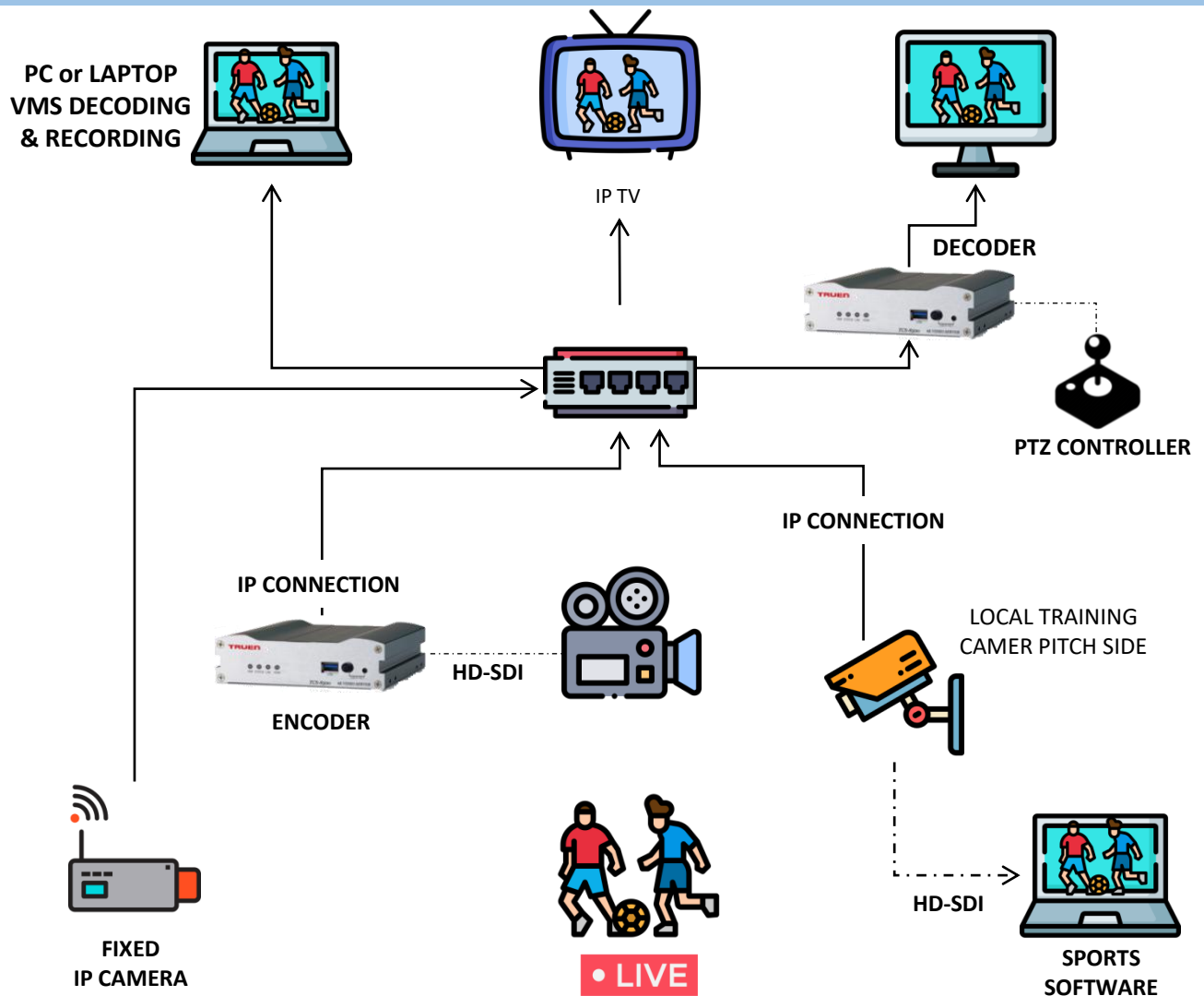
- Sensor
- Alarm
- Burn-In OSD
- PoE

CONTROL ROOM APPLICATION TCS-8500(ENCODER) & TCS-8500(DECODER)



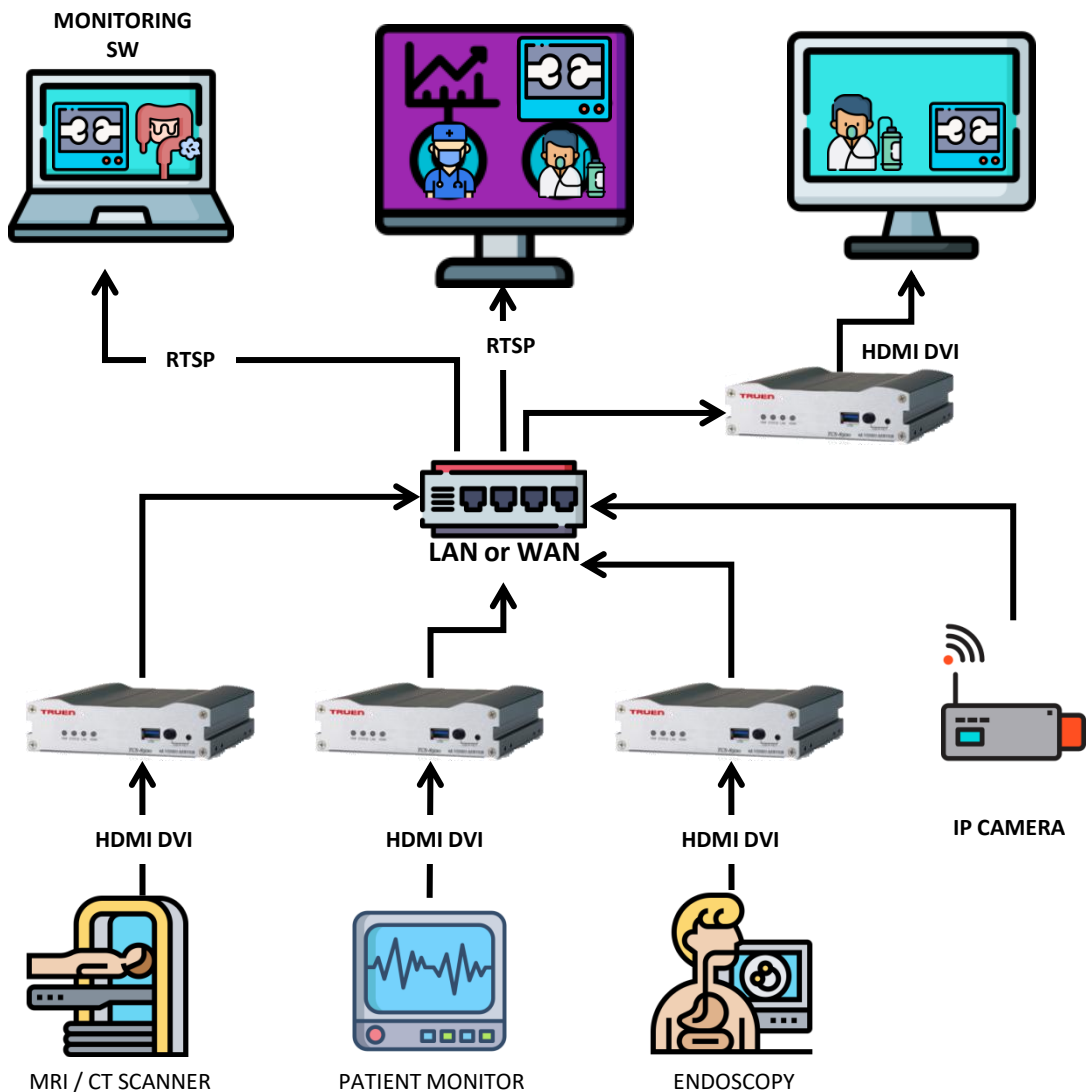
- By adding TCS-3000, any HDMI, DVI, HD-SDI signal can be encoded to an RTSP ONVIF stream for recording and viewing just like an IP camera. (Full HD / Max @60fps)
- The TCS-8500 has a pass-through function so the PC output can be connected to the TCS-8500 and then the pass-through connected to the LCD PC monitor avoiding splitters.

TRAINING GROUND RECORDING FOR SPORTS ANALYSIS TCS-8500(ENCODER) X TCS-8500(DECODER)



The big challenge in sports is to follow and record the player. HD-SDI is near instant video with no delay hence is ideal for viewing and tracking a player. Sports software at pitch side can record the HD-SDI using an HD-SDI to USB converter plugged into the laptop. TCS-1500 decoder can be used to view the cameras but also control the PTZ camera or any Onvif camera remotely. HD-SDI only cameras can be converted to IP cameras using the TCS-3000 encoder. Streams can be sent to an existing IPTV system as MPEG-TS streams

RECORDING & DISPLAYING & STREAMING FOR OR SOLUTION 4K H.265 HDMI ENCODER & DECODER



MRI , CT scanner or Endoscopy machine's DVI output is connected to an TCS-8500 encoder. The encoder streams the images seen by the local surgeon on the PC Monitor screen and is displayed remotely and recorded.

An IP camera is used to stream images from within the room and these are recorded and displayed in exactly the same way as the encoder streamed images. Streamed images can be decoded on a computer or laptop or using a hardware decoder (TCS-8500) The TCS-8500 can be used to control a PTZ camera if required

MEDICAL APPLICATION TCS-8500(ENCODER) X TCS-8500(DECODER)

1) Remote Medical Care



2) Video Transmission – Up to 4 Streams (Two way Audio)

