

## Telairity Transcode Option

Any single-channel Telairity Broadcast Encoder (BE) model can be converted to a Broadcast Transcoder (BT) model by adding an optional decoder module. The decoder module comes with a choice of SDI, ASI or IP input (select one), and generates SDI input to the encoder, completing the transcode cycle.

### Affected Models

- **BE7110** standard-compression SD, **BE9110** high-compression SD, **BE8110** HD all upgrade to **BT** models
- **BM6110** & **BT8500** include transcoder module; unavailable on BC8110 or multichannel units

### Input Codecs

- MPEG-4 H.264/AVC up to high profile level 4
  - MPEG-4-ASP level 5
- MPEG-2 main/high profile
- MPEG-1
- VC1 advanced profile level 3
- DivX 3.11/4/5/6
- DV
- JPEG

### Output Codecs (choose one)

- MPEG-4 H.264/AVC high, main, or baseline profile
- AVS 2.0

### Input Protocols

- ASI
- SDI
- IP

### Output Protocols

- Simultaneous dual-redundant ASI and IP

### Input Formats

- 1080i/p or 720p HD
- 576i (PAL) or 480i (NTSC) SD
- Optional External Sync

### Transsizing

- HD to SD down-sampling
- SD to HD up-sampling
- HD or SD input to Mobile formats

### Output Formats

- HD, SD, or Mobile depending on the encoder

### Transrating

- Use the BE8500's powerful HD compression technology to reduce HD bitrates under 5Mbps
- Use the BT8500's high-compression SD technology to reduce SD bitrates under 1Mbps
- Use the BT8500's advanced Mobile compression technology to reduce Mobile bitrates to as little as 100Kbps

### Image Enhancement for Maximum Transcoded Picture Quality

- Deringing
- Deblocking
- Flicker reduction
- Deinterlacing option for SD, Mobile output