

FOXTEL APPROVED SINGLE & QUAD HD MODULATORS

THE ONLY HD MODULATORS APPROVED BY FOXTEL



Zycast, the manufacturer of “resi-linx”, have developed 4 products aimed at the commercial AV distribution market. This range has been specifically designed for Foxtel live sports content and are the only HD Modulators approved by Foxtel.

While standard modulators will allocate around 12Mbps to each stream, these new models are capable of a massive 24Mbps throughput, meaning the picture quality on HD sports channels like Fox Footy is exceptional.

We visited the Zycast office in Melbourne to see it for ourselves. The difference was immediately obvious when watching an AFL or NRL game. Certain elements, like the grass on the field and the crowds would suffer from digital artefacts and noise. We then upped the bandwidth and bang, crystal clear footage!



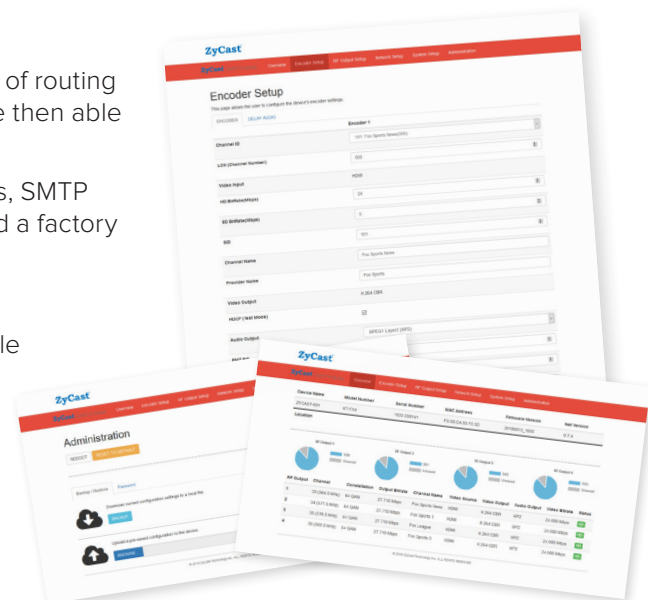
Models with delayed audio (KT-FX1DA and KT-FX4DA) allow the option of routing audio (eg. through a PA system) using stereo RCA connections. You are then able to easily adjust the delay in the audio signal for perfect lip-sync.

There are also many other features including redundant power supplies, SMTP alarms and simplified programming. You also get local tech support and a factory 3 year warranty.

CHOOSE FROM FOUR MODELS

- **KT-FX1**
A 1160
SINGLE INPUT
FOXTEL MODULATOR
- **KT-FX1DA**
A 1161
SINGLE INPUT
FOXTEL MODULATOR WITH
DELAYED AUDIO AND HDMI LOOP
- **KT-FX4**
A1164
QUAD INPUT
FOXTEL MODULATOR
- **KT-FX4DA**
A1165
QUAD INPUT
FOXTEL MODULATOR
WITH DELAYED AUDIO

- Distribute crystal-clear HD picture over new or existing coaxial cable
- Pre-programmed with a Foxtel-approved channel listing
- Output Level: 90dB
- MER: >38dB
- Video compression: H.264 AVC (MPEG-4)
- Audio compression: MPEG Layer II/AAC
- Frequency range: 177.5MHz to 816.5MHz (6 to 69)
- Easy setup via web GUI or front LCD panel





KT-FX1



KT-FX4



KT-FX1DA



KT-FX4DA

| | A 1160 KT-FX1 | A 1161 KT-FX1DA | A 1164 KT-FX4 | A 1165 KT-FX4DA |
|---------------------------------|--|--|--|--|
| Foxtel Approved Number | F31059 | F31060 | F31061 | F31062 |
| Input | | | | |
| Number of inputs | 1 | 1 | 4 | 4 |
| Video input | HDMI | HDMI | HDMI | HDMI |
| Video input level | 0.7 - 1.4V (Peak to Peak) | 0.7 - 1.4V (Peak to Peak) | 0.7 - 1.4V (Peak to Peak) | 0.7 - 1.4V (Peak to Peak) |
| Video mode | PAL | PAL | PAL | PAL |
| Audio input | Stereo | Stereo | Stereo | Stereo |
| Audio input level | 0.4 to 4.8V (Peak to Peak) | 0.4 to 4.8V (Peak to Peak) | 0.4 to 4.8V (Peak to Peak) | 0.4 to 4.8V (Peak to Peak) |
| Output | | | | |
| Frequency Range | 177.5 MHz to 816.5 MHz (6 to 69) | 177.5 MHz to 816.5 MHz (6 to 69) | 177.5 MHz to 816.5 MHz (6 to 69) | 177.5 MHz to 816.5 MHz (6 to 69) |
| HDMI loop through | No | Yes | No | No |
| Output level | 85dB | 85dB | 85dB | 85dB |
| MER | >38dB | >38dB | >38dB | >38dB |
| Delayed audio | | | | |
| Delayed audio output | No | Yes | No | Yes |
| Delay | | 0 to 20 seconds | | 0 to 20 seconds |
| Connection type | | RCA / Stereo | | RCA / Stereo |
| Modulation | | | | |
| Video Resolution | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p | 480i, 480p, 576i, 576p, 720p, 1080i, 1080p |
| Video compression | H.264 AVC (MPEG-4) | H.264 AVC (MPEG-4) | H.264 AVC (MPEG-4) | H.264 AVC (MPEG-4) |
| Audio compression | MPEG Layer II / AAC | MPEG Layer II / AAC | MPEG Layer II / AAC | MPEG Layer II / AAC |
| Video bitrate SD | 1Mbps to 9Mbps (Default 5Mbps) | 1Mbps to 9Mbps (Default 5Mbps) | 1Mbps to 9Mbps (Default 5Mbps) | 1Mbps to 9Mbps (Default 5Mbps) |
| Video bitrate HD | 12Mbps to 24Mbps (Default 24Mbps) | 12Mbps to 24Mbps (Default 24Mbps) | 12Mbps to 24Mbps (Default 24Mbps) | 12Mbps to 24Mbps (Default 24Mbps) |
| LCN | AU (APN) | AU (APN) | AU (APN) | AU (APN) |
| Carrier | 2K / 8K | 2K / 8K | 2K / 8K | 2K / 8K |
| GI | 1/32 | 1/32 | 1/32 | 1/32 |
| FEC | 7/8 | 7/8 | 7/8 | 7/8 |
| Constellations | 16 QAM / 64 QAM | 16 QAM / 64 QAM | 16 QAM / 64 QAM | 16 QAM / 64 QAM |
| Management / Programming | | | | |
| Front LCD | Yes | Yes | Yes | Yes |
| Web GUI | Yes | Yes | Yes | Yes |
| General | | | | |
| Power supply type | External | External | External | External |
| Power supply | 12VDC 1.5AMP | 12VDC 1.5AMP | 2 x 12VDC 4AMP | 2 x 12VDC 4AMP |
| Redundant PSU | No | No | Yes | Yes |
| Operating temperature | 0°C to +45c | 0°C to +45c | 0°C to +45°C | 0°C to +45°C |
| Storage temperature | 0°C to +60°C | 0°C to +60°C | 0°C to +60°C | 0°C to +60°C |
| Dimensions | 236mm x 145mm x 34mm | 236mm x 145mm x 34mm | 482mm x 208mm x 44mm | 482mm x 208mm x 44mm |
| Weight | 0.88kg | 1.05kg | 2.5kg | 2.76kg |
| Warranty | 3 years | 3 years | 3 years | 3 years |