

## 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!



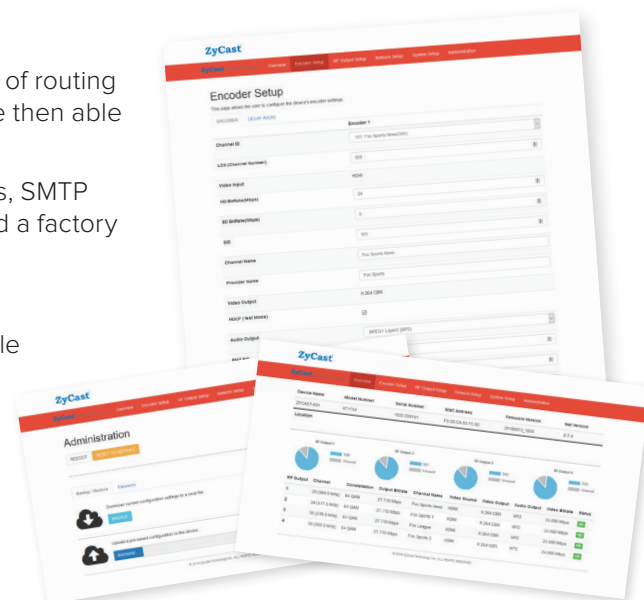
Models with delayed audio (KT-FX1DA and KT-FX4DA) allow the option of routing audio (eg. through a PA system) using stereo RCA connections. You are then able to easily adjust the delay in the audio signal for perfect lip-sync.

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**  
ITEM CODE: 37400295  
SINGLE INPUT  
FOXTEL MODULATOR
- **KT-FX1DA**  
ITEM CODE: 37400300  
SINGLE INPUT  
FOXTEL MODULATOR  
WITH DELAYED AUDIO
- **KT-FX4**  
ITEM CODE: 37400315  
QUAD INPUT  
FOXTEL MODULATOR
- **KT-FX4DA**  
ITEM CODE: 37400320  
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

	KT-FX1	KT-FX1DA	KT-FX4	KT-FX4DA
Foxtel Approved Number	F31059	F31060	F31061	F31062
<b>Input</b>				
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)
<b>Output</b>				
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)
Output level	85dB	85dB	85dB	85dB
MER	>38dB	>38dB	>38dB	>38dB
<b>Delayed audio</b>				
Delayed audio output	No	Yes	No	Yes
Delay		0 to 20 seconds		0 to 20 seconds
Connection type		RCA / Stereo		RCA / Stereo
<b>Modulation</b>				
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
<b>Management / Programming</b>				
Front LCD	Yes	Yes	Yes	Yes
Web GUI	Yes	Yes	Yes	Yes
<b>General</b>				
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