

TECHNICAL SPECIFICATIONS COMMERCIAL DELIVERY FOR BROADCAST

Video	XDCAM HD422 50 Mbps in a MXF wrapper
Bit Rate	50 Mbps
File type	MPEG -2 compression, Long GOP
Resolution	1920 x 1080i (interlaced)
Frame Rate	59.94 Hz (29.97 fps)
Aspect Ratio	16:9, 1.78:1
Timecode	Matching LTC & VITC, continuous, synchronous with video
Time Code Start	00:00:00;00 drop frame
Closed Captioning	Embedded
Audio	Stereo pairs, 48 kHz, 24 bit PCM recorded as and mixed to -24 LKFS as per ATSC A/53 standard:
	Ch. 1 = Stereo Left Ch. 2 = Stereo Right (if no 5.1, then only a 2 channel delivery) Ch. 3 = LT + DV or 5.1 Left Ch. 4 = RT + DV or 5.1 Right Ch. 5 = 5.1 Centre Ch. 6 = 5.1 LFE Ch. 7 = 5.1 Left Surround Ch. 8 = 5.1 Right Surround
Formatting	Five seconds of slate at the head, followed by two seconds of black, content and then two seconds of black at the tail.

PLEASE NOTE:

- All commercials must be delivered by an approved ad-delivery partner.