



AV Connectivity, Distribution
And Beyond...

VIDEO WALLS VIDEO PROCESSORS
VIDEO MATRIX SWITCHES
EXTENDERS SPLITTERS WIRELESS
CABLES & ACCESSORIES

VIDEO SIGNAL & COLOR DEPT	H LINES	VLINES	FRAMES	COLOR BITS/PIXEL	COLOR BIT MODE	TMDS RATE (GBPS)	SINGLE LINK RATE (GBPS)
480P60 8-BIT	858	480	60	24	1	0.25	0.74
720P60 8-BIT	1650	750	60	24	1	0.74	2.23
1080I30 8-BIT	2200	1125	30	24	1	0.74	2.23
1080P60 8-BIT	2200	1125	60	24	1	1.49	4.46
1080P24 8-BIT	2200	1125	24	24	1	0.59	1.78
1080P24 10-BIT	2200	1125	24	30	1.25	0.74	2.23
1080P60 10-BIT	2200	1125	60	30	1.25	1.86	5.57
1080P24 12-BIT	2200	1125	24	36	1.5	0.89	2.67
1080P60 12-BIT	2200	1125	60	36	1.5	2.23	6.68
1080P60 16-BIT	2200	1125	24	48	2	1.19	3.56
1080P60 16-BIT	2200	1125	60	48	2	2.97	8.91

Calculation for Bit Rate

HDMI BITRATE = (HOIZONTAL PIXELS = H BLANKING) X (VERTICAL PIXELS + Vertical Blanking) x bits Per Pixel x Frame Rate x 10/8 (for TDMS encoding)

So for our HDMI LAN Extender the data transfer will be different

Resolutions as 1080p will be a data transfer up to 70Mbps.

Resolutions as HDMI Bit Rate will be a data transfer up to 2.65Gbps.

So on a Gigabit network this will be smooth no delay.

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