boland

QD4K315HDR10

TVB EUROPE
BEST OF SHOW
AT IBC 2025
WINNER

- 4k QD-OLED Class 1 Color-Critical Shading & Grading Monitor
- 4K 12G SDI Single or QuadLink with looping outputs, and HDMI 2.0
- Quad Link Display (Square Division, 2 Sample interleave)
- High Dynamic Range (HDR) Formats: PQ-2084, Hybrid Log Gamma, S-Log3
- Monitor Remote Control via: IR, Ethernet, GPI, RS-422, and RS-232
- Waveform, Vectorscope, 16 Audio Channels Bar Graphs with De-embedder (SDI)
- Custom 3D LUT file Import through USB or IP by Menu
- USB + IP Firmware Upgrades
- Peaking filter & False color display modes
- Time code, Closed Caption 608, 708, UMD displays
- Markers • H/V Flip • Blue/Mono • H/V delay
- Multi Aspect Ratios • 3 Color Tally Lamps • Durable Aluminum Cabinet
- Light Weight • Carrying Handle • Tilting Feet • Anti-Glare

SPECIFICATIONS	
Active Area (Diagonal)	31.5"/ 800.1 mm
MODES	
High & Standard Definition Video Modes	4096x2160 (23.98/24/25/29.97/30/50/59.94/60p), 3840x2160 (23.98/24/25/29.97/30/50/59.94/60p) Native Support 2048x1080p (23.98/24), 1920x1080p (23.98/24/25/30pSF, 23/24/25/29/30p) Native Frame Rate Support 1920x1080i (50/59.94/60), 1280x720p (24/25/30/50/59.94/60p), 480i (59.94i), & 576i (50i) Native Frame Rate Support HDMI: 480p / 720p / 1080p / 2160p; All in their Native Frame Rates
INPUTS	
Digital Video Inputs (SDI, SFP), 12-bit	12G/3G/HD/SD SDI:, SMPTE ST 2082-10 / SMPTE ST 424&425 / SMPTE 292M / SMPTE 296M / SMPTE 125 / ITU-R BT656 (Single or Quad Link; DualLink not supported)
Digital Video Input (HDMI)	Up to 2160p (3840x2160 & 4096x2160), with 4:2:0 Color support
DISPLAY	
Aspect Ratios	Full Screen, 16:9, 4:3, 14:9, 13:9, 1.85:1, 2.85:1, Pixel to Pixel
Pixel RGB Trio, Pitch, Depth, Colors	3840Hx2160V UHD Pixel Array (16:9); 0.182 x 0.182 mm pitch; True 10 bit 1.073 Billion colors
Gamut	99% DCI P3, 78% 2020 coverage
Brightness	540 cd/m² Peak
Contrast Ratio	1,000,000 : 1 (min)
Color Processor	10 bit Color Processor, 1.073 Billion colors on screen
Viewing Angle	L/R 178°, U/D 178° (Typ, contrast>10)
Panel Response Time; Latency	Panel: 0.1 ms (t$_r$+t$_f$); 1 frame (16.8/21.2 ms [p60/p48])
CONTROLS	
User Controls	15 direct buttons: On/Standby, SDIs, SFP, 2SI, QUAD, HDMI, F1~5, Menu, SEL/Input, Up, Down, 5 Knobs Adjust
Remote Controls	IR, TCP/IP, RS-422, RS-232, GPI
LIGHT	
Light Source (standard)	OLED Direct-View Display, 4th Generation
LED Life	30,000 hrs, min
CONNECTORS	
Video Connectors, BNC	BNCx8: SDI 1&2- 12G & Loops; SDI 3&4- 3G SDI & Loops (for Quad UHD Input); SD/HD/UHD SFP Cage, MSI
Video Connector, SFP	SFP Cage, MSI, SD/HD/UHD
HDMI Connector	HDMI Type A 19p x1, up to HDMI 2.0 signals
POWER	
DC Power	24 VDC ±10%, 85W max
DC Connector	XLR-5M (pin 1,2=Gnd, pin 4,5=+volts)
AC Power (detached power supply included)	90-264 VAC, 50/60 Hz
AC Power Connector	IEC 320-C14 3 pin grounded male inlet
DISPLAY	
Window (Display Area)	27.59 x 15.57" / 701 x 396mm
Cabinet Dimensions	28.58 x 17.91 x 2.40" / 726 x 455 x 61mm (exclusive of power supply)
Weight	15.7 lb / 7.1 kg (approx.)
Operating (full spec)	0 ~ +50°C, non-condensing, 0 ~ 10,000 feet (3,048m)
Storage	-20 ~ +60°C, non-condensing, 0 ~ 40,000 feet (12,192m)

10/7/25

INCH [mm]

TABLE OF MOUNTING FASTENERS

MARK	TABLE OF MOUNTING FASTENERS	QTY	DEPTH MAX
A	M5 INSERTS (100mm, 200mm VESA)	10	0.472"/12mm
B	10-32 UNC INSERTS (MOUNTING)	6	0.472"/12mm
C	M3 INSERTS (STAND MOUNTING)	4	0.472"/12mm

NOTE: MOUNT MONITOR WITH A OR B HOLES ONLY

boland +1 (949) 465-9911

TITLE: OUTLINE, QD4k315HDR10_TE
SIZE: A
DOCUMENT NUMBER: 6547
REV: A1
USED ON: QD4k315HDR10_GC
SHEET: 1 OF 1
BY: C.K.MIN
DATE: 8/29/25
DO NOT SCALE DRAWING

REV	CHANGES	BY	DATE
A1	DRAWN FROM x4K31cHDR5OL_TE_6420c1	C.K.MIN	8/29/25

Rear view dimensions:
16.004 [406.5]
15.768 [400.5]
12.764 [324.2]
12.126 [308.0]
10.571 [268.5]
10.217 [259.5]
9.154 [232.5]
8.405 [213.5]
7.657 [194.5]
6.909 [175.5]
6.280 [159.5]
5.984 [152.0]
4.980 [126.5]
4.094 [104.0]
3.091 [78.5]
0.493 [12.5]
0.492 [12.5]
0.000 [0.0]
0.0

3.079 [78.2]
3.563 [90.5]
3.642 [92.5]
3.563 [90.5]
3.642 [92.5]
3.829 [99.8]
4.205 [106.8]
4.311 [109.5]
4.158 [105.6]

10.295 [261.5]
10.661 [270.8]
12.264 [311.5]
14.232 [361.5]
18.201 [411.5]
17.618 [447.5]
18.169 [461.5]
25.386 [644.8]
27.972 [710.5]

Side view dimensions:
15.079 [383.0]
14.646 [372.0]
13.622 [346.0]
13.130 [333.5]
12.638 [321.0]
12.146 [308.5]
11.654 [296.0]
10.945 [278.0]
10.453 [265.5]
9.961 [253.0]
8.720 [221.5]
7.992 [203.0]
7.264 [184.5]
6.535 [166.0]
5.807 [147.5]
3.780 [96.0]

2.008 [51.0]
1.575 [40.0]
1.358 [34.5]
1.142 [29.0]
0.787 [20.0]
0.000 [0.0]

16.496 [419.0]
16.148 [410.2]
0.513 [13.0]
0.000 [0.0]
28.464 [723.0]
28.049 [712.4]

1.358 [34.5]
23.518 [597.3]

0.416 [10.6]
0.000 [0.0]

0.000 [0.0]
1.437 [36.5]
2.630 [66.8]