

2014

Professional Monitor Comparison Guide



JVC

Multi-format HD/SD Professional LCD Monitors


Model	DT-V24G1Z	DT-V21G11Z	DT-V17G1Z	DT-V17G15U	DT-V9L5U	DT-F9L5U
Viewable Screen size class (diag.)	24-inch	21.5-inch	17-inch	17.3-inch	8.2-inch	8.2-inch
Panel type	S-IPS	S-IPS	S-IPS	S-IPS	ADS	ADS
Panel surface	Non glare	Non glare	Non glare	Non glare	Gloss	Gloss
Backlight	CCFL	LED	CCFL	RGB (LED)	LED	LED
Aspect ratio	16:10	16:9	16:9	16:9	16:10	16:10
Viewing angle (H/V)	178° / 178°	178° / 178°	178° / 178°	178° / 178°	160° / 160°	160° / 160°
Pixels	1920 x 1200	1920 x 1080	1366 x 768	1920 x 1080	1280 x 800	1280 x 800
Brightness / Contrast	400cd/m ² , 1,000:1	250cd/m ² , 1,000:1	350cd/m ² , 900:1	300cd/m ² , 800:1	360cd/m ² , 800:1	450cd/m ² , 800:1
Portrait mode	-	-	-	-	-	-
Features						
Waveform monitor	•	•	•	•	•	•
Vectorscope	•	•	•	•	•	•
Closed captioning	Analog/Digital ITU 608/708	Analog/Digital ITU 608/708	Analog/Digital ITU 608/708	Analog/Digital ITU 608/708	-	-
1:1 Monitoring mode	•	•	•	•	•	•
On screen audio metering	Digital (up to 12 ch)	Digital (up to 16 ch)	Digital (up to 12 ch)	Digital (up to 16 ch)	Digital (up to 16 ch)	Digital (up to 16 ch)
On screen time code	•	•	•	•	•	•
IMD (in monitor display)	-	-	-	-	TSL (UMD V4.0)	TSL (UMD V4.0)
Input / Output signals						
SD/HDS/SDI inputs	X2 in, 1 switched out w/embedded audio/TC	X2 in, 1 switched out w/embedded audio/TC	X2 in, 1 switched out w/embedded audio/TC	X2 in, 1 switched out w/embedded audio/TC	X2 in, 1 switched out w/embedded audio/TC	X2 in, 1 switched out w/embedded audio/TC
Dual link / 3G	•	•	•	•	-	-
DVI / HDMI input	DVI	DVI	DVI	DVI	HDMI	HDMI
Component input / output	Yes (Y, Pb, Pr)	Yes (Y, Pb, Pr)	Yes (Y, Pb, Pr)	Yes (Y, Pb, Pr)	Yes (Y, Pb, Pr)	Yes (Y, Pb, Pr)
Composite video in / out	X2	X1	X1	X1	X1	X1
Tally lamp	•	•	•	•	•	•
Audio speaker	•	•	•	•	O (1.0W Mo-)	-
Analog audio input	L/R (X2)	L/R (X1)	L/R (X1)	L/R (X2)	Mo- X1	Mo- X1
Analog audio monitor / output	L/R (X1)	L/R (X1)	L/R (X1)	L/R (X1)	L/R (X1)	L/R (X1)
Remote control	MAKE/Trigger RS-485 (I/O) RS-232C	MAKE/Trigger RS-485 (I/O) RS-232C	MAKE/Trigger RS-485 (I/O) RS-232C	MAKE/Trigger RS-485 (I/O) RS-232C	MAKE/Trigger RS-232C	MAKE/Trigger RS-232C
General						
Power requirement	AC 120/220V, 50-60Hz	AC 120/220V, 50-60Hz	AC 120/220V, 50-60Hz	AC 120/220V, 50-60Hz	AC 120/220V, 50-60Hz DC 12-17V	DC 12-17V Anton Bauer mount
Rated current	1.15A (AC120V)	0.6A (AC120V) 0.4A (AC240V)	1.2A (AC120V) 5.0A (DC12-17V)	0.6A (AC120V) 4.0A (DC12-17V)	0.5A (AC120V) 1.3A (DC12-17V)	1.3A (DC12-17V)
Carry handle	-	-	•	•	•	•
Desktop stand	•	•	•	•	•	-
Optional accessories	RAK2024LCD (Rack mount kit)	RAK21LCDEV (Rack mount kit)	RAK17LCDGS (Rack mount kit)	RAK17LCDGS (Rack mount kit)		ADPV16 (AC power adapter)
External monitor calibration software	•	•	•	•	•	-
Suggested List Price	\$4,195	\$3,595	\$2,995	\$4,395	\$1,995	\$1,895



Model	DT-R24L41DU	DT-E21L4U	DT-E17L4GU	DT-E15L4U	GM-552DU	PS-840UD	PS-470W	PS-420W
Viewable Screen size class (diag.)	24-inch	21.5-inch	17.3-inch	15.6-inch	54.6-inch	84-inch	47-inch	42-inch
Panel type	VA	TN	TN	TN	MVA	S-IPS	IPS	IPS
Panel surface	Non glare	Non glare	Gloss	Non glare	Non glare	Half gloss	Half gloss	Half gloss
Backlight	CCFL	LED	LED	LED	LED	ELED	CCFL	CCFL
Aspect ratio	16:10	16:9	16:9	16:9	16:9	16:9	16:9	16:9
Viewing angle (H/V)	178° / 178°	170° / 160°	160° / 140°	170° / 160°	89° / 89°	178° / 178°	178° / 178°	178° / 178°
Pixels	1920 x 1200	1920 x 1080	1920 x 1080	1366 x 768	1920 x 1080	3840 x 2160	1920 x 1080	1920 x 1080
Brightness / Contrast	400cd/m ² , 1,000:1	250cd/m ² , 1,000:1	300cd/m ² , 600:1	300cd/m ² , 500:1	450cd/m ² , 4,000:1	350cd/m ² , 1,600:1	400cd/m ² , 1,600:1	400cd/m ² , 1,600:1
Portrait mode	-	-	-	-	•	-	•	•
Features								
Waveform monitor	-	-	-	-	-	-	-	-
Vectorscope	-	-	-	-	-	-	-	-
Closed captioning	-	-	-	-	-	-	-	-
1:1 Monitoring mode	•	•	•	•	-	-	-	-
On screen audio metering	Digital (up to 12 ch)	Digital (up to 16 ch)	Digital (up to 16 ch)	Digital (up to 16 ch)	-	-	-	-
On screen time code	•	•	•	•	-	-	-	-
IMD (in monitor display)	-	TSL (UMD V4.0)	TSL (UMD V4.0)	TSL (UMD V4.0)	-	-	-	-
Input / Output signals								
SD/HDSI inputs	X2 in, 1 switched out w/embedded audio/TC	X2 in, 1 switched out w/embedded audio/TC	X2 in, 1 switched out w/embedded audio/TC	X2 in, 1 switched out w/embedded audio/TC	•	-	-	-
Dual link / 3G	-	-	-	-	-	-	-	-
DVI / HDMI input	DVI	HDMI	HDMI	HDMI	DVI, HDMI	HDMI X4	DVI, HDMI	DVI, HDMI
Component input / output	-	Mini D-sub (RGB, Y, Pb, Pr)	Mini D-sub (RGB, Y, Pb, Pr)	Mini D-sub (RGB, Y, Pb, Pr)	-	• (Y, Pb, Pr)	• (VGA)	• (VGA)
Composite video in / out	X2	X1	X1	X1	X2	• (Shared)	-	-
Tally lamp	•	•	•	•	-	-	-	-
Audio speaker	•	•	•	•	•	•	•	•
Analog audio input	L/R (X2)	L/R (X1)	L/R (X1)	L/R (X1)	L/R (X1)	(X1)	-	-
Analog audio monitor / output	L/R (X1)	L/R (X1)	L/R (X1)	L/R (X1)	L/R (X1)	(X1)	(X1)	(X1)
Remote control	MAKE/Trigger RS-485 (I/O) RS-232C	MAKE/Trigger RS-485 (I/O) RS-232C	MAKE/Trigger RS-485 (I/O) RS-232C	MAKE/Trigger RS-485 (I/O) RS-232C	RS-232C	RS-232C Ethernet RJ-45	RS-232C	RS-232C
General								
Power requirement	AC 120/220V, 50-60Hz	AC 120/220V, 50-60Hz DC 12-17V	AC 120/220V, 50-60Hz DC 12-17V	AC 120/220V, 50-60Hz	AC 100/240V, 50-60Hz	AC 100/240V, 50-60Hz	AC 100/240V, 50-60Hz	AC 100/240V, 50-60Hz
Rated current	1.15A (AC120V)	0.6A (AC120V) 3.5A (DC12-17V)	0.5A (AC120V) 3.0A (DC12-17V)	0.6A (AC120V)	1.8A (AC120V)	4.6A (AC120V)	1.42A (AC120V)	1.13A (AC120V)
Carry handle	-	•	•	-	•	•	-	-
Desktop stand	•	•	•	•	•	-	•	•
Optional accessories	RAK2024LCD (Rack mount kit)	RAK21LCDEV (Rack mount kit)	RAK17LCDGS (Rack mount kit)					
External monitor calibration software	•	•	•	•	-	-	-	-
Suggested List Price	\$3,195	\$2,950	\$2,650	\$1,995	\$6,500	\$14,000	\$1,175	\$835

ProHD Series

In Rack Display Monitors

Portable Monitors

ProHD



Model	DT-X91Hx2	DT-X71Hx2	DT-X51Hx3	DT-X91C	DT-X91H	DT-X91F	DT-X71CI	DT-X71HI	DT-X71FI
Viewable Screen size class (diag.)	9-inch X2	7-inch X2	5-inch X3	8.9-inch	8.9-inch	8.9-inch	7-inch	7-inch	7-inch
Panel type	S-IPS	S-IPS	S-IPS	S-IPS	S-IPS	S-IPS	S-IPS	S-IPS	S-IPS
Panel surface	Gloss	Gloss	Gloss	Gloss	Gloss	Gloss	Gloss	Gloss	Gloss
Backlight	CCFL	CCFL	CCFL	CCFL	CCFL	CCFL	CCFL	CCFL	CCFL
Aspect ratio	16:9 / 4:3	16:9 / 4:3	16:9 / 4:3	16:9 / 4:3	16:9 / 4:3	16:9 / 4:3	16:9 / 4:3	16:9 / 4:3	16:9 / 4:3
Viewing angle (H/V)	140° / 120°	160° / 160°	140° / 120°	160° / 160°	160° / 160°	160° / 160°	160° / 160°	160° / 160°	160° / 160°
Pixels	1280 x 800	1024 x 768	800 x 480	1280 x 800	1280 x 800	1280 x 800	1024 x 600	1024 x 600	1024 x 600
Brightness / Contrast	250cd/m ² , 700:1	400cd/m ² , 900:1	350cd/m ² , 500:1	400cd/m ² , 800:1	400cd/m ² , 800:1	400cd/m ² , 800:1	400cd/m ² , 900:1	400cd/m ² , 900:1	400cd/m ² , 900:1
Features									
Waveform monitor/Vectorscope	-	-	-	-	-	•	-	-	•
Peaking focus assist/RGB histogram	-	-	-	-	-	•	-	-	•
On screen audio metering	-	-	-	-	-	• (SDI 16ch/HDMI 2ch)	-	-	• (SDI 16ch/HDMI 2ch)
On screen time code	-	-	-	-	-	•	-	-	•
Input / Output signals									
SD/HDS/SDI inputs	Yes for each	Yes for each	Yes for each	-	• w/Loop output	• X2	-	• w/Loop output	• X2
Dual link / 3G	• w/Loop output	• w/Loop output	• w/Loop output	-	•	•	-	•	-
DVI / HDMI input	HDMI w/Loop output	HDMI w/Loop output	HDMI w/Loop output	HDMI w/Loop output	HDMI w/Loop output	HDMI w/Loop output	HDMI w/Loop output	HDMI w/Loop output	HDMI w/Loop output
Component input / output	-	-	-	-	-	-	-	-	-
Composite video in / out	•	•	•	• w/Loop output	• w/Loop output	•	• w/Loop output	• w/Loop output	•
Tally lamp	•	•	•	•	•	•	•	•	•
Audio speaker	• (Stereo)	-	-	-	-	-	-	-	-
Analog audio input	L/R	L/R	-	L/R (x1)	L/R (x1)	-	L/R (x1)	L/R (x1)	-
Analog audio monitor / output	3.5mm mini jack	3.5mm mini jack	3.5mm mini jack	3.5mm mini jack	3.5mm mini jack	3.5mm mini jack	3.5mm mini jack	3.5mm mini jack	3.5mm mini jack
Remote control	RS-232 tally control	RS-232 tally control	RS-232 tally control	RS-232 tally control	RS-232 tally control	RS-232 tally control	RS-232 tally control	RS-232 tally control	RS232 tally control
General									
Power requirement	DC-12V (4 pin XLR)	DC-12V (4 pin XLR)	DC-12V (4 pin XLR)	DC-12V, or Battery 6.5V-17V (4 pin XLR)	DC-12V, or Battery 6.5V-17V (4 pin XLR)	DC-12V, or Battery 6.5V-17V (4 pin XLR)	DC-12V, or Battery 6.5V-17V (4 pin XLR)	DC-12V, or Battery 6.5V-17V (4 pin XLR)	DC-12V, or Battery 6.5V-17V (4 pin XLR)
Rated consumption	≤ 30W	≤ 15W	≤ 24W	≤ 6W	≤ 8W	≤ 5W	≤ 6W	≤ 8W	≤ 15W
Optional accessories				SSL-JVC50 (Battery 7.4V) LC-2J (Dual Channel Batt.) DT-X91CASE	SSL-JVC50 (Battery 7.4V) LC-2J (Dual Channel Batt.) DT-X91CASE	SSL-JVC50 (Battery 7.4V) LC-2J (Dual Channel Batt.) DT-X91CASE	SSL-JVC50 (Battery 7.4V) LC-2J (Dual Channel Batt.) DT-X71CASE	SSL-JVC50 (Battery 7.4V) LC-2J (Dual Channel Batt.) DT-X71CASE	SSL-JVC50 (Battery 7.4V) LC-2J (Dual Channel Batt.) DT-X71CASE
Suggested List Price	\$2,900	\$2,195	\$2,495	\$995	\$1,450	\$2,400	\$595	\$1,095	\$1,695

"JVC" is the trademark or registered trademark of JVC KENWOOD Corporation.

Specifications subject to change.



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