







## Convergent Design Odyssey7 Family Comparison

		
Model	Odyssey7	Odyssey7Q
7.7" OLED 1280x800 8-Bit RGB Capacitive Touchscreen	✓	✓
SD/HD/3G-SDI BNC Ports	2-In + 2-Out	4-In + 2-Out or 2-In + 4-Out
HDMI I/O, Up to 1080p60	✓	✓
Timecode: LTC I/O (BNC), SDI/HDMI Embedded	✓	✓
Magnesium Case: 7.9" (W) x 6.1" (H) x 1" (D); 1.2 lbs	✓	✓
10-34V Power, 8-15W, Reverse Protection, on/off switch	✓	✓
Waveform, RGB Parade, Histogram, Vectorscope, Zebras in Full Screen or Overlay Mode; H/V Flip-Flop	✓	✓
False Color, 1:1 Pixel Mode, Focus Assist, Blue Mode, Guides	✓	✓
Embedded Audio, 48K, 24-Bit (Broadcast Wave)	2 channels	8 channels
Analog Audio, 3.5mm Stereo I/O, HP support	✓	✓
LUT Support (ARRI, Canon, Sony, Custom)	✓	✓
Simple Intuitive Menus, Auto Setup Based on SDI MetaData	✓	✓
Bluetooth Control (iPhone, Android App), Wired Remote	✓	✓
Sun Shade Option	✓+	✓+
Support for Popular Batteries (IDX, AB, Sony)	✓	✓
Upgradeable to Recorder via various Options	✓+	✓+
Dual 240/480/960 GB SSD Support (Purchase from CD)	✓+	✓+
DNxHD YCC 8/10-Bit to 1080p30/60i, 720p60 (.mov, .mxf)	✓+	✓+
Uncompressed HD/2K 10/12-Bit RGB 444 Recording (.dpx)	✓+	✓+
ARRIRAW 12-Bit 16:9/4:3 Support (.ari)	✓+	✓+
Canon C500 4K 10-Bit Raw @ 60fps in single recorder (.rmf)	✓+	✓+
Record Triggers: Touchscreen, iPhone/Android App, SDI (ARRI, Canon, Panasonic, Red, Sony) or HDMI (Sony, Canon)	✓	✓
3:2, 2:2 Pulldown Removal, Record Cache (Compressed), Time-Lapse	✓	✓
Video Streams Supported Simultaneously	One	Four
Quad Split Monitoring with Live Switching		✓
Display image analysis tools in four separate quadrants		✓
High Speed (240fps) 2K/HD Raw Recording (.dng)		✓+
2K/HD Raw support for WeissCam, LMP, IndieCam, IO Industries (.dng)		✓+
Simultaneous Raw + Proxy (DNxHD-36) Recording		✓+
Four Channel HD/2K Compressed Recording/Playback		✓+
Record 4K, via four separate HD-SDI single-link		✓+
Onion Skinning (Overlay of Still and Live Video) Support		✓+
Image Analysis (Waveform, RGB Parade, etc) during Playback		✓+
Sony FS700 2K RAW Support (.dng)		✓+
Best Future-Proof Choice		✓
Price (US\$)	\$1,295	\$2,295
Scheduled Initial Shipments (Subject to Change)	August 2013	July 2013
✓+ = Extra Cost Options		
All specifications, features, and prices are subject to change, Pricing to be released in May, 2013		

## Professional Monitor Comparison

						
Manufacturer	Convergent Design	SmallHD	Small HD	IKAN	TV Logic	Marshall
Model	Odyssey7/7Q	AC7-OLED-SDI	DP7 Pro	D7w	LVM-074W	OR-901-XDI
Size	7.7"	7.7"	7.7"	7.0"	7.0"	9.0"
Resolution	1280x800	1280x800	1280x800	1280x800	1024x600	960x540
Type (Note 1)	OLED	OLED	OLED	LCD	LCD	LCD
Brightness (Nits) (Note 4)	250	250	250	400	400	320
Contrast	3,400:1	3,400:1	3,400:1	800:1	800:1	1000:1
Viewing Angle (degrees)	176/176	176/176	176/176	178/178	170/170	170/170
Waveform (Note 6)	Full Screen /4Q Mode		PIP	√	Full Screen	Full Screen
RGB Parade	Full Screen /4Q Mode			√		Full Screen
Vectorscope	Full Screen /4Q Mode		PIP	√	Full Screen	Full Screen
Histogram	Full Screen /4Q Mode					Full Screen
False Color	√	√	√	√	√	√
Four Quadrant Display	√			√		
Zebra	√		√	√	√	
1:1 Mode	√	√	√	√	√	
Focus Assist	√	√	√	√	√	
Blue/Mono Mode	√	Mono Only	√		√	
Aspect Guides	√	√	√		√	√
Underscan, Overscan				√	√	
DSLR Scaling		√	√	√	√	
Anamorphic De-Squeeze		√				
Audio Meter	2-Chan		√			16-Chan
Audio Output (Note 3)	Speaker, HP		Speaker, HP	HP	Speaker, HP	Speaker, HP
Horizontal Indicator	√		√			
Timecode Display	SDI/HDMI				SDI Only	SDI Only
H/V Flip/Flop	√				√	
SDI I/O	SD/HD/3G	SD/HD	SD/HD	SD/HD/3G	SD/HD/3G	SD/HD
Dual Link SDI	HD/3G					
HDMI I/O (Max Format)	1080p60	1080p30	1080p30	1080p60	1080p30	1080p30
Analog Video		√	√		√	√
LUT Support	ARRI, Canon, Sony					
Closed Caption					√	
Internal Pattern Generator	√		√		√	
Remote Control	iPhone App					
DC Power Input	10-34V	7-18V	10-24V	7-24V	12V	5-18V
Power Draw	8W	9W	10W		10W	16W
Reverse Voltage Protect	√		√			
Weight (grams, pounds)	540, 1.2 lbs	407, 0.9 lbs	543, 1.2 lbs	450, 1.0 lbs	634, 1.4 lbs	1800, 4 lbs
Construction	Magnesium	Plastic	Aluminum	Aluminum	Magnesium	Aluminum
Size (mm)	201x143x25	205x145x25	205x145x25	178x124x25	203x131x35	221x203x45
Recording Option	√					
Cost	\$1,295	\$1,399	\$1,999	\$1,299	\$2,525	\$3,276

### Notes:

- 1) OLED has much wider color gamut and much greater contrast than LCD
- 2) PIP = Picture in Picture
- 3) HP = Headphone
- 4) OLED Brightness measures lower, but appear brighter
- 5) Chart based on best available information as of 21-Mar-2013, and is subject to corrections.
- 6) Image analysis tools are available in Four Quadrant Mode in addition to full screen mode