

Wireless HD-Comparison Chart © by



	TERADEK						PARALINX				AMIMON		SWIT		
Model	Bolt 300	Bolt 600	Bolt 1000	Bolt 2000	Bolt 3000	Teradek Sidekick Rx	ACE	Arrow-X	Dart	Tomahawk	Connex	Connex Mini	S-4904	S-4914	
Video Interface	3G-HD-SDI HDMI	3G-HD-SDI HDMI	3G-HD-SDI HDMI	3G-HD-SDI HDMI	3G-HD-SDI HDMI	3G-HD-SDI HDMI	3G-HD-SDI or HDMI	3G-HD-SDI HDMI	TX: always HDMI RX: HDMI or HD-SDI	3G-HD-SDI HDMI	HDMI	HDMI	3G-HD-SDI HDMI	3G-HD-SDI HDMI	
Range (LoS)	300 ft / 91 meter	600 ft / 182 meter	1000 ft / 305 meter	2000 ft / 609 meter	3000 ft / 915 meter	300 ft / 91 meter	300 ft / 91 meter	700 ft / 213 meter	1000ft / 300 meter	2000 ft / 609 meter	3300 ft / 1005 meter	1600 ft / 487 meter	2000 ft / 609 meter	2000 ft / 609 meter	
Video Resolution	Uncompressed 1080p: 60/59.94/50/30/29.97/25/24/23.98 1080psf: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480p: 59.94/57.6p50 (via HDMI ports only) 480i: (NTSC)/57.6(PAL)	Uncompressed 1080p: 60/59.94/50/30/29.97/25/24/23.98 1080psf: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480p: 59.94/57.6p50 (via HDMI ports only) 480i: (NTSC)/57.6(PAL)	Uncompressed 1080p: 60/59.94/50/30/29.97/25/24/23.98 1080psf: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480p: 59.94/57.6p50 (via HDMI ports only) 480i: (NTSC)/57.6(PAL)	Uncompressed 1080p: 60/59.94/50/30/29.97/25/24/23.98 1080psf: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480p: 59.94/57.6p50 (via HDMI ports only) 480i: (NTSC)/57.6(PAL)	Uncompressed 1080p: 60/59.94/50/30/29.97/25/24/23.98 1080psf: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480p: 59.94/57.6p50 (via HDMI ports only) 480i: (NTSC)/57.6(PAL)	Uncompressed 1080p: 60/59.94/50/30/29.97/25/24/23.98 1080psf: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480p: 59.94/57.6p50 (via HDMI ports only) 480i: (NTSC)/57.6(PAL)	Uncompressed 1080p: 60/59.94/50/30/29.97/25/24/23.98 1080psf: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480p: 59.94/57.6p50 (via HDMI ports only) 480i: (NTSC)/57.6(PAL)	Uncompressed, up to 1080p/60	1080p: 60/59.97/50 1080psf: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480p: 59.94/57.6p50 (via HDMI ports only) 480i: (NTSC)/57.6(PAL)	1080p: 60/59.97/50 1080psf: 30/29.97/25/24/23.98 1080i: 60/59.94/50 720p: 60/59.94/50 480p: 59.94/57.6p50 (via HDMI ports only) 480i: (NTSC)/57.6(PAL)	1080p: 60/50/29.97/24/23.98 1080psf: 25/24/23.98 1080i: 60/50 720p: 60/50 480p: 60/50 425i: 60 625i: 50	1080p: 60/50/30/25/24 1080psf: 25/24/23.98 1080i: 60/50 720p: 60/50 480p: 60/50 425i: 60 625i: 50	1080p: 60/50/30/24 1080psf: 30/29.97/25/24/23.98 1080i: 60/50 720p: 60/50 480p: 60/50 425i: 60 625i: 50	SDI: 1080P (60 / 59.94 / 50) 1080i (60 / 59.94 / 50) 1080p (30 / 29.97 / 25 / 24 / 23.98) 1080psf (30 / 29.97 / 25 / 24 / 23.98) 720p (60 / 59.94 / 50) 480i (59.94) 576i (50) HDMI: 1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98) 1080i (60 / 59.94 / 50) 720p (60 / 59.94 / 50) 480p (60 / 59.94 / 50) 425i (60) 625i (50)	SDI: 1080P (60 / 59.94 / 50) 1080i (60 / 59.94 / 50) 1080p (30 / 29.97 / 25 / 24 / 23.98) 1080psf (30 / 29.97 / 25 / 24 / 23.98) 720p (60 / 59.94 / 50) 480i (59.94) 576i (50) HDMI: 1080p (60 / 59.94 / 50 / 30 / 29.97 / 25 / 24 / 23.98) 1080i (60 / 59.94 / 50) 720p (60 / 59.94 / 50) 480p (60 / 59.94 / 50) 425i (60) 625i (50)
Latency/Delay	<1 ms	<1 ms (when no video format conversion is enabled)	<1 ms (when no video format conversion is enabled)	<1 ms (when no video format conversion is enabled)	<1 ms (when no video format conversion is enabled)	<2 ms	<1 ms	<1 ms	<1 ms	<1 ms	<1 ms	<1 ms	<1 ms	<1 ms	
Uni/Multicast Mode	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	Multicast - up to 4 RX	
Frequency (dynamic frequency selection)	DFS	DFS	DFS	DFS	DFS	DFS	DFS	DFS	DFS	DFS	DFS	DFS	manual Selection	manual Selection	
Color Sampling	Y:Cb:Cr:4:2:2, 8-bit RGB 4:4:4	Depends on the input/output types and RX settings: SDI 10-bit with no format conversion and FPGA v.1.1.0 or later, 8-bit colors for the rest	Y:Cb:Cr = 4:2:2, 8-bit for SDI (10-bit with no format conversion and FPGA v.1.1.0 or later); RGB 4:4:4 (HDMI out, 8-bit color)	Depends on the input/output types and RX settings: SDI 10-bit with no format conversion and FPGA v.1.1.0 or later, 8-bit colors for the rest	Y:Cb:Cr = 4:2:2, 8-bit for SDI (10-bit with no format conversion and FPGA v.1.1.0 or later); RGB 4:4:4 (HDMI out, 8-bit color)	Y:Cb:Cr = 4:2:2 (10-bit color)	tba	tba	4:2:2, 8-bit	4:2:2, 8-bit	tba	tba	tba	tba	
Inputs	3G-HD-SDI HDMI Dual Format	3G-HD-SDI HDMI Dual Format	3G-HD-SDI HDMI Dual Format	3G-HD-SDI HDMI Dual Format	3G-HD-SDI HDMI Dual Format	HD-SDI or HDMI	HD-SDI or HDMI	HD-SDI or HDMI	Micro-HDMI	HD-SDI or HDMI	HDMI	Micro HDMI	3G/HD/SD-SDI or HDMI	3G/HD/SD-SDI or HDMI	
Outputs	depends on input	depends on input	depends on input	depends on input	depends on input	HD-SDI or HDMI	HD-SDI or HDMI	HD-SDI or HDMI	SDI or HDMI	HD-SDI or HDMI	HDMI	HDMI	3G/HD/SD-SDI or HDMI	3G/HD/SD-SDI or HDMI	
Audio Format	24-bit 48kHz PCM	24-bit 48kHz PCM	24-bit 48kHz PCM	24-bit 48kHz PCM	24-bit 48kHz PCM	24-bit 48kHz PCM	24-bit 48kHz PCM	12S, PCM, SPDIF, AC-3, DTS, DOLBY 5.1	48kHz, 24-bit PCM	12S, PCM, SPDIF, AC-3, DTS, DOLBY 5.1	no audio transmissio	no audio transmissio	2-ch SDI/HDMI embedded audio transmission	2-ch SDI/HDMI embedded audio transmission	
Power Input	2-pin LEMO 7-28 VDC	2-pin LEMO 7-28 VDC	2-pin LEMO 7-28 VDC	2-pin LEMO 7-28 VDC	2-pin LEMO 7-28 VDC	2-pin Lemo 7-17 VDC	TX: Barrel Cable RX: AC Adapter	2-pin LEMO-type female	RX SDI: 2-pin Lemo RX HDMI: Barrel TX: 5V/2.5A micro-USB or Canon LP-E6	2-pin LEMO-type female	Air Unit: 4-pin Ground Unit: DC Jack	Air Unit: 4-pin Ground Unit: DC Jack	V-mount/ Gold Mount connection	Various DV plates optional	
Power Consumption	TX: 6.5 W RX: 8.0 W	TX: 7.8 W RX: 8.5 W	TX: 7.5 W RX: 8.5 W	TX: 7.7 W RX: 8.0 W	TX: 7.5 W RX: 8.5 W	7.1W	7-17 V	7-17 V	7-12 V	7-17 V	Air Unit: 8-26 V Ground Unit: 7-19 V	Air Unit: 6-28 V Ground Unit: 6-28 V	6.5-17 V	6.5-17 V	
Dimensions	TX: 2.7x 6.6x 11.2 cm RX: 2.5x 8.9x 14.6 cm	TX: 2.7x 6.6x 10.9 cm RX: 2.5x 8.9x 14.7 cm	TX: 2.4x 6.6x 10.2 cm RX: 13.9x 8.9x 2.5 cm	TX: 2.6x 6.6x 10.9 cm RX: 2.5x 8.9x 14.7 cm	TX: 2.4x 6.6x 10.2 cm RX: 13.9x 8.9x 2.5 cm	22 x 85 x 11.5 cm	TX: 6.7x 11.9x 1.5 cm RX: 8.6x 11.5x 1.5 cm	TX: 10.8x 6.7x 2.1 cm RX: 14.3x 12.8x 3.3 cm	TX: 6.8x 5.5x 2.5 cm RX: 8.6x 11.5x 1.5 cm	TX: 2x 6.4x 10 cm RX: 3.1x 12.7x 14.2 cm	Air Unit: 10.3x 6.4x 1.6 cm Ground Unit: 12.9x 8.9x 2 cm	Air Unit: 6.6x 4.5x 1.5 cm Ground Unit: 10x 7.1x 1.7 cm	TX: 9.3x 18.5x 6.3 cm RX: 13x 18.8x 4.7 cm	TX: 7.1x 12x 3.7 cm RX: 13x 18.8x 4.7 cm	
Weight	TX: 262 g RX: 346 g	TX: 226 g RX: 376 g	TX: 226 g RX: 376 g	TX: 270 g RX: 390 g	TX: 226 g RX: 376 g	288 g	no	TX: 178 g RX: 340 g	TX: 100g RX: 350g	TX: 179 g RX: 340 g	Air Unit: 130 g Ground Unit: 260 g	Air Unit: 60 g Ground Unit: 140 g	TX: 572 g RX: 797 g	TX: 300 g RX: 797 g	
External Antennas	no	yes	yes	yes	yes	no	no	yes	yes	yes	yes: 2 and 5	yes: 2 and 3	yes	yes	
Metadata/Timecode	yes	yes	yes	yes	yes	yes	yes	yes	no	yes	yes	yes	yes	yes	
Manual Frequency Selection	no	yes (via Bolt Manager)	tba	yes (via Bolt Manager)	tba	no	no	yes (via Paralinx Manager)	no	yes (via Paralinx Manager)	yes (via ConnexManagement Tool)	no	yes	yes	
Mounting	1/4" - 20inch Thumb Screw 1/2" - 20inch Lightstand adapter	1/4" - 20inch Thumb Screw 1/2" - 20inch Lightstand adapter	1/4" - 20inch Thumb Screw 1/2" - 20inch Lightstand adapter	1/4" - 20inch Thumb Screw 1/2" - 20inch Lightstand adapter	1/4" - 20inch Thumb Screw 1/2" - 20inch Lightstand adapter	Base:Milled aluminum 1/2" and 2x4-40	1/4" thumb Screw	1/4" thread	1/4-20 & 4/40 integrated mounting holes	TX: 2x 1/4"-20 threads	Ground Unit: 1/4" thread	Ground Unit: 1/4" thread	Crap clamp and Articulating arm (trestle included) or fixed on camera with V-mount or Gold mount plates and 1/4" thread	Crap clamp and Articulating arm (trestle included) or fixed on camera with V-mount or Gold mount plates and 1/4" thread	
Specific Features	* Teradek Bolt Manager	* HDMI/SDI Out Format - Select the video output format: Same As Input; 480i; 576i; 720p; 50/59/60; 1080p/23/24; 1080p; 23/24/25/29/30/50/59/60 * Teradek Bolt Manager	* SDI Version contains 1x Type A receptacle HDMI output for HD-SDI to HDMI Conversion * Rapid Reconnection after dropped line * Individual Identity with removable colored top plates * two new DFS Channels * Teradek Bolt Manager	* HDMI/SDI Out Format - Select the video output format: Same As Input; 480i; 576i; 720p; 50/59/60; 1080p/23/24; 1080p; 23/24/25/29/30/50/59/60 * Teradek Bolt Manager	* SDI Version contains 1x Type A receptacle HDMI output for HD-SDI to HDMI Conversion * Rapid Reconnection after dropped line * Individual Identity with removable colored top plates * two new DFS Channels * Teradek Bolt Manager	* Bolt Sidekick is a lightweight universal companion receiver up to 3000. For use with Teradek Bolt Pro 300, 600 and 2000 systems. * Also useable with Paralinx Tomahawk and Arrow-X * Ideal solution for 1st AC's and Director's handheld monitors. * Teradek Bolt Manager	* got threaded inserts for attaching onboard battery plates: - LP-E6 - BP-U - L-Series * HDMI: Barrel Connector HD-SDI: Lemo Connector * Paralinx Manager	* Various Battery Plates available * Paralinx Manager	* 5V Micro-USB power output can power a GoPro camera or any other USB-powered device. Input power options on TX: integrated LP-E6 battery plate or Micro-USB * Operating Temperature: 0-40 °C * Paralinx Manager	* Various Battery Plates available * Paralinx Manager	* Gimbal Control over Futaba S. Bus * OSD Support: - Telemetry information (high, vertical and ground speed, flight mode) - default information (Distance to ground Unit, Power voltage level, signal strength) overlay on video, * "new" manual channel selection * 40/20 Mhz bandwidth adjustable * Adjustable between 25mW and 200mW * Connex Management Tool	* Gimbal Control over Futaba S. Bus * OSD Support: - Telemetry information (high, vertical and ground speed, flight mode) - default information (Distance to ground Unit, Power voltage level, signal strength) overlay on video * Connex Management Tool	F -> SONY NP-F970/770, SWIT S-8972, S-8970 U -> SONY BP-U60/US3, SWIT S-8U63 P -> Panasonic: CGA-DS4/028, SWIT S-8U62 B -> Panasonic: VW-VB66, SWIT S-88G6 V -> JVC BN-VF823, SWIT S-8823 I -> SSI: IC550, SWIT S-8050 C -> Canon BP-945/970G, SWIT S-8845, S-8945 E -> Canon LP-E6, SWIT S-8PE6		
NET Price Aprox.	HDMI: 4.030,- € HD-SDI: 5.566,- € Dual Format: 3.080,- €	HDMI: 4.634,- € HD-SDI: 5.143,- € Dual Format: 5.673,- €	HD-SDI: 5.668,- € Dual Format: 6.188,- €	HDMI: 7.730,- € HD-SDI: 8.759,- € Dual Format: 8.480,- €	HD-SDI: 6.793,- € Dual Format: 10.313,- €	HDMI: 1.848,- € HD-SDI: 2.052,- €	HDMI: 1.333,- € HD-SDI: 2.053,- €	HDMI: 2.693,- € HD-SDI: 3.072,- €	HDMI TX/ HDMI RX: 3.003,- € HDMI TX/ HD-SDI RX: 3.301,- €	HDMI: 5.387,- € HD-SDI: 7.707,- €	1.563,- €	1.333,- €	4.773,- €	4.773,- €	
Picture															

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Errors and changes reserved