















		CAMERAS		CONVERTERS			
		 HD Webcams: Logitech C922, MS Lifecam	 Dartfish 7 or newer IP cameras (ONVIF and RTSP)	 Dartfish 7 or newer Blackmagic H.264 Pro Recorder	 Dartfish 9 or newer AVerMedia Live Gamer Portable	 Dartfish 10 or newer AVerMedia Live Gamer Portable 2 Plus	 Dartfish 10 or newer Blankom SDE-265
Connections		USB 2.0	Ethernet (RJ45)	<u>Input</u> Composite, HDMI, SDI <u>Output to PC</u> USB 2.0	<u>Input</u> HDMI <u>Output to PC</u> USB 2.0	<u>Input</u> HDMI <u>Output to PC</u> USB 2.0	<u>Input</u> SDI <u>Output to PC</u> Ethernet (RJ45)
Max. cable length		1.5 m (extendable)	100 m	Composite: 30m HDMI 5m SDI: 100m USB: 5m	HDMI 5m USB: 5m	HDMI 5m USB: 5m	100 m
Multi camera input		✓	✓	✓	✗	✗	✗
Video stream		MJPG	H.264	H.264	H.264	MJPG	H.264
IMAGE QUALITY	Zoom	Limited digital zoom	✓	Defined by video source			
	Focus	Automatic	Manual	Defined by video source			
	Shutter speed	Basic control	Max 1/30000	Defined by video source			
	Frame rate	Max 30 fps	Max 120 fps	Defined by source	30fps with 1080p input 60 fps – 720p input	Defined by source Max 60 fps	Defined by source Max 60 fps
	Resolution	Max 1080p	Max 1080p	Defined by source	Defined by source	Defined by source Max 1080p	Defined by source Max 1080p
Installation procedure		Minimal procedure	Advanced procedure	Minimal procedure	Minimal procedure	Minimal procedure	Advanced procedure
System requirements		Minimum	Recommended	Recommended	Recommended	Recommended	Recommended
LIVE TAGGING FEATURES	Live encoding ¹	✓	✓	✓	✓	✓	✓
	Time shifted recording ³	✓	✓	✓	✓	✓	✓
	Publish event clips ⁴ (V10 only)	✓	✓	✓	✓	✓	✓

1 The Video Recorder and Tag Live tools can encode video while recording. Dartfish.tv users can save a lot of time by using their channel's encoding profile when recording.
 2 Pause recording lets you exclude parts of the game from the recording without creating multiple video files.
 3 Time shifted recording allows you to review earlier parts of the recording while continuing to record.
 4 Use Publish Event clips to create video files from events while continuing to record



	<i>Budget in US\$ (indicative price)</i>	<i>Pros</i>	<i>Cons</i>	<i>Use cases and notes</i>
 HD webcams: Logitech C922 MS Lifecam Studio	50 - 100	<ul style="list-style-type: none"> + Low price + Good video quality + USB 2 connection (no additional power required) + Attaches to a tripod 	<ul style="list-style-type: none"> - Limited digital Zoom only - MS Lifecam requires manual driver selection in Windows 8 - 30 frames per second too low for some 	<ul style="list-style-type: none"> - Bike fitting - Gait analysis - Other static camera use
 ONVIF IP camera	500 – 3,000	<ul style="list-style-type: none"> + Video quality + Compression + Outdoor usage + Fixed placement 	<ul style="list-style-type: none"> - Installation - Configuration - Flexibility with manual focus - Not mobile 	<ul style="list-style-type: none"> - Infrastructure projects (schools, gyms arenas) with multiple camera usage - Swing analysis (Golf, Tennis) - Bike fitting - Gait analysis
 AVerMedia Live Gamer Portable 2 Plus	200 + camera	<ul style="list-style-type: none"> + Capture HD stream from any camcorder + Encodes and compresses video + Good price for HD converter + No power supply required 	<ul style="list-style-type: none"> - Multi camera recording not possible 	<ul style="list-style-type: none"> - Lower cost than Blackmagic but loses the professional configurability
 AVerMedia Live Gamer Portable	120-170 + camera	<ul style="list-style-type: none"> + Capture HD stream from any camcorder + Encodes and compresses video + Good price for HD converter + No power supply required 	<ul style="list-style-type: none"> - 30 fps captured from 1080p sources - Bit rate may be too low quality for large displays - Dual camera recording not possible 	<ul style="list-style-type: none"> - Lower cost than Blackmagic but loses the professional configurability
 Blackmagic H.264 Pro Recorder	450 + camera	<ul style="list-style-type: none"> + Video quality + Compression + Flexibility of input choice (HDMI, Composite in) + SDI / HD-SDI Input for TV-Signal 	<ul style="list-style-type: none"> - Latency of displaying image on screen - Additional power cable is required - Cost 	<ul style="list-style-type: none"> - Professional quality solution which allows configuration of quality and other inputs such as SDI
 Blankom SDE-265	450 + camera	<ul style="list-style-type: none"> + Video quality + Compression + SDI / HD SDI input for TV signal + Available for multi-camera 	<ul style="list-style-type: none"> - Installation - Configuration 	<ul style="list-style-type: none"> - Stadium environment with SDI feed provided