







DARTFISH 10 CLASSIC LIVE REQUIREMENTS

	CAMERAS		CONVERTERS	
	 Webcams: Logitech C922, Microsoft Lifecam	 IP cameras (ONVIF)	 Blackmagic H264 Pro Recorder	 AVerMedia Live Gamer Portable
Connections	USB 2.0	Ethernet RJ45	<u>Input:</u> HDMI/SDI <u>Output to PC:</u> USB 2.0	<u>Input:</u> HDMI <u>Output to PC:</u> USB 2.0
Multi-camera input	Up to 2	Up to 4	Up to 2	1
Stream profile¹	MJPEG	H264	H264	MJPEG/H264
Max. Cable length	1.5 m	100 m	HDMI: 5m SDI: 100m USB: 5m	HDMI: 5m USB: 5m
Shutter speed	Basic control	Up to 1/143000	Defined by video source	Defined by video source
Frame rate	Max 60 fps	Max 120 fps	Max 60 fps Defined by video source	Defined by video source Max 60 fps
Resolution	Max 1080p	Max 2160p	Max 1080p Defined by video source	Max 1080p Defined by video source
Installation procedure	Minimal	Advanced	Minimal	Minimal

¹ Stream profiles other than H264 are converted automatically to H264 during the recording



	Budget in US\$ (indicative price)	Pros	Cons	Use cases and notes
 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"> - Dartfish Live Collaboration - Infrastructure (schools, gyms arenas) with multiple camera usage - Swing analysis - Gait analysis
 AVerMedia Live Gamer Portable	150 + 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 	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 	Professional quality solution which allows configuration of quality and other inputs such as SDI