



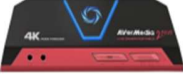





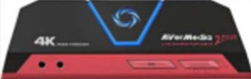




## DARTFISH 2024 LIVE REQUIREMENTS

	CAMERAS		CONVERTERS			LEGACY
	 <b>WEBCAMS:</b> LOGITECH C922, MICROSOFT LIFECAM		 <b>AJA U-TAP SDI/HDMI</b>			 <b>BLACKMAGIC H264 PRO RECORDER</b>
	 <b>IP CAMERAS (ONVIF &amp; RTSP)</b>		 <b>AVERMEDIA LIVE GAMER PORTABLE 2 PLUS</b>			
	 <b>BLANKOM SDE-265</b>					
<b>CONNECTIONS</b>	USB 2.0	ETHERNET RJ45	INPUT: HDMI OR SDI OUTPUT TO PC: USB 3.1	INPUT: HDMI OUTPUT TO PC: USB 2.0	INPUT: SDI OUTPUT TO PC: USB 2.0	INPUT: HDMI/SDI OUTPUT TO PC: USB 2.0
<b>MULTI-CAMERA INPUT</b>	UP TO 2	UP TO 4	UP TO 2	1	UP TO 4	UP TO 2
<b>STREAM PROFILE<sup>1</sup></b>	MJPEG	H264	UNCOMPRESSED	MJPEG/H264	H264	MJPEG/H264
<b>MAX. CABLE LENGTH</b>	1.5 M	100 M	HDMI: 5M SDI: 100M USB: 5M	HDMI: 5M USB: 5M	SDI: 100M USB: 5M	HDMI: 5M SDI: 100M USB: 5M
<b>SHUTTER SPEED</b>	BASIC CONTROL	UP TO 1/143000	DEFINED BY VIDEO SOURCE	DEFINED BY VIDEO SOURCE	DEFINED BY VIDEO SOURCE	DEFINED BY VIDEO SOURCE
<b>FRAME RATE</b>	MAX 60 FPS	MAX 120 FPS	MAX 60 FPS DEFINED BY VIDEO SOURCE	MAX 60 FPS DEFINED BY VIDEO SOURCE	MAX 60 FPS DEFINED BY VIDEO SOURCE	DEFINED BY VIDEO SOURCE MAX 60 FPS
<b>RESOLUTION</b>	MAX 1080P	MAX 2160P	MAX 1080P DEFINED BY VIDEO SOURCE	MAX 1080P DEFINED BY VIDEO SOURCE	MAX 1080P DEFINED BY VIDEO SOURCE	MAX 1080P DEFINED BY VIDEO SOURCE
<b>INSTALLATION PROCEDURE</b>	MINIMAL	ADVANCED	MINIMAL	MINIMAL	ADVANCED	MINIMAL

<sup>1</sup> 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	+ LOW PRICE + GOOD VIDEO QUALITY + USB 2 CONNECTION (NO ADDITIONAL POWER REQUIRED) + ATTACHES TO A TRIPOD	- LIMITED DIGITAL ZOOM ONLY - MS LIFECAM REQUIRES MANUAL DRIVER SELECTION IN WINDOWS 8 - 30 FRAMES PER SECOND TOO LOW FOR SOME	- BIKE FITTING - GAIT ANALYSIS - OTHER STATIC CAMERA USE
 ONVIF CAMERA	500-3,000	+ VIDEO QUALITY + COMPRESSION + OUTDOOR USAGE + FIXED PLACEMENT	- INSTALLATION - CONFIGURATION - FLEXIBILITY WITH MANUAL FOCUS - NOT MOBILE	- DARTFISH LIVE COLLABORATION - INFRASTRUCTURE (SCHOOLS, GYM ARENAS) WITH MULTIPLE CAMERA USAGE - SWING ANALYSIS - GAIT ANALYSIS
 AVERMEDIA LIVE GAMER PORTABLE 2 PLUS	200+ CAMERA	+ CAPTURE HD STREAM FROM MANY CAMCORDER + ENCODES AND COMPRESSES VIDEO + GOOD PRICE FOR HD CONVERTER + NO POWER SUPPLY REQUIRED	- MULTICAMERA RECORDING NOT POSSIBLE	LOWER COST THAN BLACKMAGIC BUT LOSES THE PROFESSIONAL CONFIGURABILITY
 AJA U-TAP (SDI OR HDMI)	450 + CAMERA	+ VIDEO QUALITY + PLUG & PLAY + SDI / HD SDI INPUT FOR TV SIGNAL + NO POWER SUPPLY REQUIRED	- UNCOMPRESSED - COST	- PROFESSIONAL QUALITY SOLUTION WHICH ALLOWS CONFIGURATION OF QUALITY AND OTHER INPUTS SUCH AS SDI
 BLANKOM SDE-265	500+ CAMERA	+ VIDEO QUALITY + COMPRESSION + SDI / HD SDI INPUT FOR TV SIGNAL + AVAILABLE FOR MULTI-CAMERA	- INSTALLATION - CONFIGURATION	- DARTFISH LIVE COLLABORATION - STADIUM ENVIRONMENT WITH SDI FEED PROVIDED