



Photography & Video



HD Video



Low Light



Thermal Infrared



Micro Analog

Camera Brand	Panasonic Lumix DMC-LX3	Panasonic HDC-SD9	Water WAT-902H2 Ultimate	FLIR Photon 320 FLIR Photon 640	Micro Board Camera
Includes	<ul style="list-style-type: none"> Camera with memory card (if applicable) and all necessary cables (Note: The DMC-LX3 is modified for remote zoom, shutter and battery) Dragonflyer X6 anti-vibration camera mount specifically tailored to each camera's size & weight Dragonflyer X6 5.8 GHz wireless video transmitter, circuit board, and antenna 				
Features	<ul style="list-style-type: none"> 10.1 Megapixel 24mm Wide-Angle Lens 2.5x Optical Zoom 3648x2736 Max Image Size Image Stabilization Saves to SD/SDHC/MMC Memory Card Can Film 720p Video 	<ul style="list-style-type: none"> Full HD 1920x1080 Progressive 35mm Equivalent Leica Lens 10x Optical Zoom 1/6 inch 3CCD Image Stabilization Records to SD/SDHC Memory Card 	<ul style="list-style-type: none"> 768x494 Effective Pixels 1/2 inch CCD 570 TV Lines Interlaced Monochrome 0.0001 Lux Minimum Illumination 	<p>Photon 320:</p> <ul style="list-style-type: none"> 324x256 Effective Pixels 240 TV Lines Interlaced 14.25mm Lens <p>Photon 640:</p> <ul style="list-style-type: none"> 640x512 Effective Pixels 480 TV Lines Interlaced 21.5mm Lens <p>Both:</p> <ul style="list-style-type: none"> Uncooled LWIR Thermal Imager Sensor: Vox Microbolometer Forward Looking Infrared 7.5 to 13.5µm Spectral Band 	<ul style="list-style-type: none"> 768x494 Effective Pixels 480 TV Lines Interlaced Small and Light
Benefits	<ul style="list-style-type: none"> Professional quality digital still photographs Aerial mapping Real Estate photography Remote zoom, tilt and shutter Multifunctional: 10.1MP Pictures and 720p HD Video 	<ul style="list-style-type: none"> Full HD progressive digital video Virtual tours 	<ul style="list-style-type: none"> Low light motion video Clear video where other cameras would only show black 	<ul style="list-style-type: none"> Thermal infrared motion video Heat vision Search and Rescue 	<ul style="list-style-type: none"> Analog motion video Very low weight for longer flights
CCD / MOS / Sensor	1/1.63 inch CCD	1/6 inch 3CCD	1/2 inch CCD	<ul style="list-style-type: none"> Vox Microbolometer 7.5 to 13.5µm Spectral Band 	1/3 inch CCD
Weight	<p>Camera Alone:</p> <ul style="list-style-type: none"> 8.0oz / 227g <p>Camera & Mount:</p> <ul style="list-style-type: none"> 10.6oz / 302g 	<p>Camera Alone:</p> <ul style="list-style-type: none"> 11.6oz / 330g <p>Camera & Mount:</p> <ul style="list-style-type: none"> 14.2oz / 405g 	<p>Camera Alone:</p> <ul style="list-style-type: none"> 5.86oz / 166g <p>Camera & Mount:</p> <ul style="list-style-type: none"> 8.46oz / 241g 	<p>320 Camera Alone:</p> <ul style="list-style-type: none"> 5.4oz / 153g <p>320 Camera & Mount:</p> <ul style="list-style-type: none"> 8.0oz / 228g <p>640 Camera Alone:</p> <ul style="list-style-type: none"> 8.0oz / 227g <p>640 Camera & Mount:</p> <ul style="list-style-type: none"> 10.7oz / 300g 	<p>Camera Alone:</p> <ul style="list-style-type: none"> 0.42oz / 12g
Max Pixels	<ul style="list-style-type: none"> 10.1 Megapixels 3648x2736 Max Image Size HD 1280x720 Progressive @ 24fps Video 	<ul style="list-style-type: none"> HD 1920x1080 Progressive @ 24 fps HD 1920x1080 Interlaced @ 30 fps 2.1 Megapixel Digital Camera, 16:9 Ratio 	<ul style="list-style-type: none"> 768x494 Effective Pixels 570 TV Lines Interlaced 	<p>Photon 320:</p> <ul style="list-style-type: none"> 324x256 Effective Pixels 240 TV Lines Interlaced <p>Photon 640:</p> <ul style="list-style-type: none"> 640x512 Effective Pixels 480 TV Lines 	<ul style="list-style-type: none"> 768x494 Effective Pixels 480 TV Lines Interlaced

				Interlaced	
Color	Full Color	Full Color	Monochrome	<ul style="list-style-type: none"> ■ Monochrome ■ False Color Option ■ Polarity Control 	Full Color
Onboard Digital Video Recording Mode	<ul style="list-style-type: none"> ■ Format: QuickTime Motion Photo JPEG ■ 1280x720, 24fps, 24Mbps 	<ul style="list-style-type: none"> ■ Format: AVCHD ■ HA1920 i/p: 17Mbps w/ Variable Bitrate ■ HG1920 i/p: 13Mbps w/ Variable Bitrate ■ HE1920 i/p: 6Mbps w/ Variable Bitrate 			
TV Out Playback Mode	<ul style="list-style-type: none"> ■ NTSC ■ PAL ■ Selectable 	<ul style="list-style-type: none"> ■ NTSC 	<ul style="list-style-type: none"> ■ NTSC ■ PAL ■ Non selectable 	<ul style="list-style-type: none"> ■ NTSC ■ PAL ■ Selectable 	<ul style="list-style-type: none"> ■ NTSC ■ PAL ■ Non selectable
Onboard Video / Image Storage	<ul style="list-style-type: none"> ■ SD / SDHC / MMC Memory Card ■ JPEG / Motion JPEG 	<ul style="list-style-type: none"> ■ SD / SDHC Memory Card ■ AVCHD Format 	None (wireless video transmit only)	None (wireless video transmit only)	None (wireless video transmit only)
Zoom	<ul style="list-style-type: none"> ■ 2.5x Optical Zoom ■ 4x Digital Zoom ■ Remote Zoom Using Handheld Controller 	<ul style="list-style-type: none"> ■ 10x Optical Zoom ■ 25 to 700x Digital Zoom 	3x Optical Zoom	Photon 320: <ul style="list-style-type: none"> ■ 2x Digital Zoom Photon 640: <ul style="list-style-type: none"> ■ 2x, 4x Digital Zoom 	
Lens	Leica DC Vario-Summicon, 24 - 60mm Wide-Angle Lens	35mm Equivalent Leica Lens			4mm
Focal Length	5.1 to 12.8mm	3.0 to 30mm	4 to 12mm	Photon 320: <ul style="list-style-type: none"> ■ 14.25mm Photon 640: <ul style="list-style-type: none"> ■ 21.5mm 	
Onboard Image Stabilization	Yes	Yes			
ISO / Minimum Illumination	80 to 6400 ISO	5 Lux	0.0001 Lux	Photon 320: <ul style="list-style-type: none"> ■ < 85mK at f/1.6 Photon 640: <ul style="list-style-type: none"> ■ < 50mK at f/1.0 with FLIR proprietary noise reduction 	0.19 Lux