

## CTS-220 Thermal Clip-on Weapon Sight



The Clip-On Thermal Weapon Sights CTS-220 are designed for medium-range engagements. Utilizing the quick release weapon mount, the CTS-220 easily attaches to and detaches from standard 1913 Picatinny rails in front of daytime scopes. This gives the operator the ability to deploy it on multiple weapon platforms without the need to dedicate a thermal scope.

CTS-220 sights have built-in

digital collimator which allows the easy matching with the host day scope.

**Features:** High resolution uncooled FPAs; quick swap battery packs; low power consumption; completely silent system operation; rugged and lightweight; unauthorized location protection - lowest heat dissipation; video-out for external display and recording; manual and automatic FPA sensitivity adjustment; manual display brightness adjustment; Black Hot / White Hot polarity control; high precision Aluminum hard-anodized body; external battery pack compatibility; fits any standard 1913 Picatinny rails; dust and waterproof

## CTS-220 specifications and accessories:

Parameter	ADVANCED LINE		PROFESSIONAL LINE		ELITE LINE	
	CTS-220DX-384	CTS-220DX-640	CTS-220CG	CTS-220CG-17	CTS-220XL	CTS-220XL-17
Objective lens focal length, mm	25					
Objective lens F-number	f/1.0					
Spectral response	8 – 12 $\mu\text{m}$					
FPA material	ASi uncooled					
FPA resolution, pixels	384x288	640x480	384x288	640x480	384x288	640x480
FPA sensitivity, mK	60	65	50	60	50	60
FPA refresh rate, Hz	50	25	50	25	60	30
Field of view, °	23x17					
Auto-off feature	NO		Included			
Stadiametric rangefinder	NO		Included			
Reticles	8		8 + 8			
Optical magnification	1x					
Digital zoom	2x,4x					
Diopter adjustment	-6...+2					
Power	2xAA					
Battery life, hours	Over 5			Over 7		
DRI (human), km	0.51/0.275/0.18	0.81/0.355/0.22	0.635/0.31/0.21	0.92/0.51/0.3	0.635/0.31/0.21	0.92/0.51/0.3
DRI (vehicle), km	1.21/0.6/0.4	1.95/1.12/0.53	1.57/0.78/0.52	2.3/1.27/0.76	1.57/0.78/0.52	2.3/1.27/0.76
Dimensions, mm	160x50x45					
Weight, kg	0.47					
Limited warranty	7 years Limited					
AA batteries	2 included					
Battery packs	2 included				3 included	

**CTS-220 specifications and accessories (continued):**

Parameter	CTS-220DX-384	CTS-220DX-640	CTS-220CG	CTS-220CG-17	CTS-220XL	CTS-220XL-17
Soft case	Included					
Video Out cable RCA	Included					
Low profile weapon mount	Included					
Intelligent Picture Enhancement	NO		Included			
Hard waterproof case	Optional				Included	
Stow Safety Feature	NO		Optional		Included	
Remote control	NO		Optional		Included	
Recoil absorbing mount	Optional					
Video-out to USB	Optional					
Head mounted display	Optional					
Detachable ocular	Optional (converts into dedicated sight)					