

PRECISION
— VERTEBRATE —
— PEST CONTROL —



Guide Thermal Catalogue





							
Product Name	Guide TU650LS Thermal Scope with LRF	Guide TU650P 3.0 Thermal Scope	Guide TU650S Thermal Scope	Guide TU635LS Thermal Scope with LRF	Guide TU635S Thermal Scope	Guide TU435LS Thermal Scope with LRF	Guide TU435S Thermal Scope
Laser Rangefinder	1200m	1500m	N/A	1200m	N/A	1200m	N/A
Type-C Power Supply	USB-C (Charge/USB2.0)	5V DC 2A via USB-C	USB-C (Charge/USB2.0)	USB-C (Charge/USB2.0)	USB-C (Charge/USB2.0)	USB-C (Charge/USB2.0)	USB-C (Charge/USB2.0)
Battery Operating Time	14 Hours	14 hours	14 Hours	14 Hours	8 Hours	14 Hours	8 Hours
Battery Type	18650×2 Built-in + 18650×1 External	18650 ×2 Battery (Built-in) and 18650 ×1 Battery (External)	18650×2 Built-in + 18650×1 External	18650×2 Built-in + 18650×1 External	18650×2 Built-in + 18650×1 External	18650×2 Built-in + 18650×1 External	18650×2 Built-in + 18650×1 External
Audio Recording	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Standby Mode	-	Yes	-	-	-	-	-
Hotspot	Yes	2.4 GHz / 5 GHz Wi-Fi	Yes	Yes	Yes	Yes	Yes
Capture Snapshot	-	Yes	-	-	-	-	-
Record Video	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Working Temperature	-20°C to 50°C	From -20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C
Dimension	421×89×80mm	451×90×79mm	421×89×80mm	420×89×80mm	374×89×76mm	420×89×80mm	374×89×76mm
Weight	935g	923g	921g	875g	745g	875g	738g
Protection Level	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Image Pro	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HSIS	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Zoom Pro	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diopter	-5 to +5	-5D to +5D	-5 to +5	-5 to +5	-5 to +5	-5 to +5	-5 to +5
Exit Pupil	-	-	-	-	-	-	-
Palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Display	1.03" AMOLED 2560×2560	1.03" AMOLED 2560×2560	1.03" AMOLED 2560×2560	1.03" AMOLED 2560×2560	0.49" AMOLED 1920×1080	1.03" AMOLED 2560×2560	0.49" AMOLED 1920×1080
Magnification	3.7x – 29.6x	3.7x~29.6x	3.7x~29.6x	2.6x – 20.8x	2.8x~22.4x	4.2x – 16.8x	4.4x~17.6x
Field of View (Degrees/m @ 100m)	8.8° × 7.0°/15 × 12m	8.8°×7.0°	8.8° × 7.0°/15 × 12m	12.5° × 10.0°/22x18	11.8°×7.1°/21x12	14 × 10m	7.4°×4.4°/13x8
Detection Range	2600m	2600m	2600m	1800m	1800m	1800m	1800m
NETD	15mK	Less than 18mK	15mK	15mK	15mK	15mK	15mK
Response Waveband	8–14μm	8μm to 14μm	8–14μm	8–14μm	8–14μm	8–14μm	8–14μm
Pixel Interval	12μm	12μm	12μm	12μm	12μm	12μm	12μm
Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Sensor Resolution	640×512	640×512	640×512	640×512	640×512	400×300	400×300
Lens (Focal Length)	50mm	50mm, F0.9	50mm	35mm	35mm	35mm	35mm



							
Product Name	Guide TU425S Thermal Scope	Guide TU1260MS Thermal Scope	Guide NOVA N435S Thermal Scope	Guide NOVA N225 Thermal Scope	Guide NOVA N635S Thermal Scope	Guide Clip-On Adaptor Ring	Guide Quick Release Scope Mount
Laser Rangefinder	N/A	1500m	N/A	N/A	N/A		
Type-C Power Supply	5V DC 2A via USB-C	USB-C (Charge/USB 2.0)	5V DC 2A via USB-C	5V DC 2A via USB-C	5V DC 2A via USB-C	38/40/42/44/46mm B - 48/50/52/54mm C - 56/58/60/62/64mm	
Battery Operating Time	10 hours	9 Hours	7.5 hours	8 hours continuous	8 hours		
Battery Type	18500 ×1 Battery (Built-in) and 18650 ×1 Battery (External)	18650 ×2 Battery (Built-in) and 18650 ×1 Battery (External)	Customized Battery (Built-in) and 18500 Battery (External)	Replaceable Rechargeable Li-ion 18500 Battery	Customized Battery (Built-in) and 18500 Battery (External)		
Audio Recording	Yes	Yes	Yes	Yes	Yes		
Standby Mode	Yes	-	Yes	Yes	Yes		
Hotspot	2.4 GHz / 5 GHz Wi-Fi	Yes	2.4 GHz / 5 GHz Wi-Fi	2.4 GHz / 5 GHz Wi-Fi	2.4 GHz / 5 GHz Wi-Fi		
Capture Snapshot	Yes	-	Yes	Yes	Yes		
Record Video	Yes	Yes	Yes	Yes	Yes		
Working Temperature	From -20°C to 50°C	-20°C to 50°C	From -20°C to 50°C	From -20°C to 50°C	From -20°C to 50°C		
Dimension	311×89×76mm	450×90×91mm	228×72×60mm	222.5×73×57.5mm	228×72×60mm		
Weight	575g	1145g	525g	506g	525g		
Protection Level	IP68	IP68	IP67	IP67	IP67		
Image Pro	N/A	N/A	N/A	N/A	N/A		
HSIS	N/A	N/A	N/A	N/A	N/A		
Zoom Pro	N/A	N/A	N/A	N/A	N/A		
Diopter	-5D to +5D	-5 to +5	-5D to +5D	-5D to +5D	-5D to +5D		
Exit Pupil	-	-	-	-	-		
Palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	IR: White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia; Visible: Day, Night, Low-light	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia		
Display	0.49" AMOLED 1920×1080	1.03" AMOLED 2560×2560	0.39" AMOLED 1024×768	0.39" AMOLED 1024×768	0.39" AMOLED 1024×768		
Magnification	4.3x~17.2x	Thermal: 2.3x~36.8x; Digital: 5.1x~81.6x	3.3x~13.2x	3.6x~14.4x	2.0x~16x		
Field of View (Degrees/m @ 100m)	10.3°×6.2°/18x11	Thermal: 14.6°×11.7°; Digital: 6.4°×5.1°	7.9°×5.9°	7°×5.3°	12.5°×9.4°		
Detection Range	1300m	Thermal: 3200m/2800yd; Digital: 330m/360yd	1800m	1300m	1800m		
NETD	NETD 20mK	15mK	Less than 15mK	Less than 25mK	Less than 15mK		
Response Waveband	8μm to 14μm	8um to 14um	8μm to 14μm	8μm to 14μm	8μm to 14μm		
Pixel Interval	12μm	12um	12μm	12μm	12μm		
Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz		
Sensor Resolution	400×300	Thermal: 1280×1024; Digital: 1920×1080	400x300	256x192	640x512		
Lens (Focal Length)	25mm, F1.0	Thermal: 60mm, F0.9; Digital: 35mm, F4.0	35mm F1.0	25mm F1.0	35mm F1.0		



						
Product Name	Guide DN70M 2.0 Multispectral Digital Binoculars	Guide TN650MS Multispectral Thermal Binoculars	Guide TN450LS 2.0 Thermal Binoculars	Guide TN650M 2.0 Multispectral Thermal Binoculars	Guide TN650LS 2.0 Thermal Binoculars	Guide TN450L 2.0 Thermal Binoculars
Laser Rangefinder	1500m	1500m	1500m	1500m	1500m	1500m
Type-C Power Supply	5V DC 2A via USB-C	USB-C	5V DC 2A via USB-C	5V DC 2A via USB-C	5V DC 2A via USB-C	5V DC 2A via USB-C
Battery Operating Time	5 hours	5 hours	8 hours	5 hours	7 hours	8 hours
Battery Type	Customized Battery (Built-in) and 18650 ×1 Battery (External)	Customized Battery (Built-in) and 18650 ×1 Battery (External)	Customized Battery (Built-in) and 18650 ×1 Battery (External)	Customized Battery (Built-in) and 18650 ×1 Battery (External)	Customized Battery (Built-in) and 18650 ×1 Battery (External)	18650 Battery ×1
Audio Recording	Yes	Yes	Yes	Yes	Yes	Yes
Standby Mode	Yes	Yes	Yes	Yes	Yes	Yes
Hotspot	2.4 GHz / 5 GHz Wi-Fi	2.4 GHz / 5 GHz Wi-Fi	2.4 GHz / 5 GHz Wi-Fi	2.4 GHz / 5 GHz Wi-Fi	2.4 GHz / 5 GHz Wi-Fi	2.4 GHz / 5 GHz Wi-Fi
Capture Snapshot	Yes	Yes	Yes	Yes	Yes	Yes
Record Video	Yes	Yes	Yes	Yes	Yes	Yes
Working Temperature	From -20°C to 50°C	From -20°C to 50°C	From -20°C to 50°C	From -20°C to 50°C	From -20°C to 50°C	From -20°C to 50°C
Dimension	226×133×64mm	235×134×63mm	208×137×68.5mm	226×133×64mm	210×136×71mm	208×137×68.5mm
Weight	914g	1110g	722g	865g	720g	722g
Protection Level	IP67	IP67	IP67	IP67	IP67	IP67
Image Pro	N/A	N/A	N/A	N/A	N/A	N/A
HSIS	N/A	N/A	N/A	N/A	N/A	N/A
Zoom Pro	N/A	N/A	N/A	N/A	N/A	N/A
Diopter	-6D to +6D	-6D to +6D	-6D to +6D	-6D to +6D	-6D to +6D	-6D to +6D
Exit Pupil	-	-	-	-	-	-
Palettes	IR: White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	IR: White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia; Visible: Day, Night, Low-light	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	IR: White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia; Visible: Day, Night, Low-light	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Display	0.49" AMOLED 1920×1080	0.49" AMOLED 1920×1080	0.49" AMOLED 1920×1080	0.49" AMOLED 1920×1080	0.49" AMOLED 1920×1080	0.49" AMOLED 1920×1080
Magnification	Thermal: 4.8x~19.2x; Digital: 5.4x~21.6x	Thermal: 3.9x~31.2x; Digital: 2.6x~20.8x	6.2x~24.8x	Thermal: 3.9x~31.2x; Digital: 2.6x~20.8x	3.9x~31.2x	6.2x~24.8x
Field of View (Degrees/m @ 100m)	Thermal: 6.6°×4.0; Digital: 5.9°×3.5°	Thermal: 8.2°×4.9°; Digital: 5.9°×3.5°	5.2°×3.1°/9X5	Thermal: 8.2°×5.0°; Digital: 12.5°×7.5°	8.2°×4.9°/14X9	5.2°×3.1°
Detection Range	Thermal: 1300m/1400yd; Digital: 1300m/1400yd	Thermal: 2600m/2800yd; Digital: 950m/1000yd	2600m	Thermal: 2600m/2800yd; Digital: 950m/1000yd	2600m	2600m
NETD	NETD 30mK	15mK	15mK	NETD 18mK	15mk	NETD 20mK
Response Waveband	Thermal: 8 to 14μm; Digital: CMOS	Thermal: 8 to 14μm; Digital: CMOS	8μm to 14μm	Thermal: 8 to 14μm; Digital: CMOS	8μm to 14μm	8μm to 14μm
Pixel Interval	Thermal: 12μm Digital: 2μm	Thermal: 12μm Digital: 2μm	12μm	Thermal: 12μm Digital: 2μm	12μm	12μm
Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Sensor Resolution	Thermal: 256×192 Digital: 3840×2160	Thermal: 640×512; Digital: 3840×2160	400×300	Thermal: 640×512 Digital: 3840×2160	640×512	400×300
Lens (Focal Length)	Thermal: 25mm, F1.0; Digital: 70mm, F1.8	Thermal: 50mm, F1.0; Digital: 70mm, F1.8	50mm, F1.0	Thermal: 50mm, F1.0; Digital: 33mm, F1.4	50mm, F1.0	50mm, F1.0



						
Product Name	Guide Orion 0635CS Thermal Clip-On	Guide Orion 0435CS Thermal Clip-On	Guide TB650 2.0 Thermal Clip-On Scope	Guide TB650S Thermal Clip-On	Guide TB650LS Thermal Clip-On	Guide TB1260LS Thermal Clip-On
Laser Rangefinder	-	-	-	-	1200m	1200m
Type-C Power Supply	USB-C	USB-C	5V DC 2A via USB-C	USB-C (Power supply/USB2.0)	USB-C (Power supply/USB2.0)	USB-C (Power supply/USB2.0)
Battery Operating Time	7 hours	8 hours	5 hours	5 Hours	5 Hours	6 Hours
Battery Type	Single, Replaceable 18500 Battery	Single, Replaceable 18500 Battery	18650 Battery ×2	Single, Replaceable 18650 Battery	Single, Replaceable 18650 Battery	Replaceable 18650 ×2 Battery
Audio Recording	-	-	Yes	Yes	Yes	Yes
Standby Mode	-	-	Yes	-	-	Yes
Hotspot	-	-	2.4 GHz / 5 GHz Wi-Fi	Yes	Yes	Yes
Capture Snapshot	-	-	Yes	-	-	-
Record Video	-	-	Yes	Yes	Yes	Yes
Working Temperature	-20°C to 50°C	-20°C to 50°C	From -20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C
Dimension	99×73×68mm	99×73×68mm	144×86×79mm	139×86×79mm	139×86×79mm	162×97×102mm
Weight	285g	285g	480g	485g	485g	740g
Protection Level	IP67	IP67	IP68	IP68	IP68	IP68
Image Pro	-	-	-	-	-	-
HSIS	-	-	-	-	-	-
Zoom Pro	-	-	-	-	-	-
Diopter	-	-	-	-	-	-
Exit Pupil	-	-	-	-	-	-
Palettes	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Display	0.49" AMOLED 1920×1080	0.39" AMOLED 1024×768	0.39" AMOLED 1920×1080	0.39" AMOLED 1920×1080	0.39" AMOLED 1920×1080	0.5" AMOLED 1600×1200
Magnification	1x	1x	1x	1x	1x	1x
Field of View (Degrees/m @ 100m)	12.5°×9.4°/22×17	7.9°×5.9°/13×10	8.8°×6.6°	8.8°×6.6°	8.8°×6.6°	14.6°×11.0°/25×19
Detection Range	1800m	1800m	2600m	2600m	2600m	3200m
NETD	15mK	15mK	NETD 18mK	15mK	15mK	15mK
Response Waveband	8 to 14μm	8 to 14μm	8μm to 14μm	8 to 14μm	8 to 14μm	8 to 14μm
Pixel Interval	12μm	12μm	12μm	12μm	12μm	12μm
Frame Rate	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Sensor Resolution	640×512	400×300	640×512	640×512	640×512	1280×1024
Lens (Focal Length)	35mm	35mm	50mm, F1.0	50mm	50mm	60mm



								
Product Name	Guide Kodiak TK650L 3.0 Thermal Monocular	Guide Kodiak TK635L 3.0 Thermal Monocular	Guide TE425S Thermal Monocular	Guide TE210S Thermal Monocular	Guide TE419S Thermal Monocular	Guide TD435LS Thermal Monocular with LRF	Guide TD635LS Thermal Monocular with LRF	Guide TD650LS Thermal Monocular with LRF
Laser Rangefinder	1200m	1200m	N/A	N/A	N/A	1200m	1200m	1200m
Type-C Power Supply	USB-C (Power Supply/USB 2.0)	USB-C (Power Supply/USB 2.0)	USB-C to USB-C	USB-C (Charging/Power supply/USB2.0)	USB-C (Charging/Power supply/USB2.0)	USB-C	USB-C (Power supply/USB2.0)	USB-C (Power supply/USB2.0)
Battery Operating Time	5.5 hours	5.5 hours	5 hours	6 Hours	5 Hours	10 Hours	10 Hours	10 Hours
Battery Type	1 ×replaceable dedicated battery	1 ×replaceable dedicated battery	Built-in battery	Built-in Battery	Built-in Battery	Single Replaceable 18650	Single, Replaceable 18650 Battery	Single, Replaceable 18650 Battery
Audio Recording	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Standby Mode	Yes	Yes	-	-	Yes	-	-	-
Hotspot	Yes	Yes	Yes	-	Yes	Yed	Yes	Yes
Capture Snapshot	-	-	-	-	-	-	-	-
Record Video	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Working Temperature	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C	-20°C to 50°C
Dimension	191×67×79mm	182×67×79mm	157×51×47mm	47×47×132mm	47×47×148mm	159×54×74mm	171×54×74mm	201×67×88mm
Weight	593g	524g	320g	228g	288g	355g	374g	465g
Protection Level	IP67	IP67	IP67	IP67	IP67	IP67	IP67	IP67
Image Pro	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
HSIS	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Zoom Pro	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Diopter	-6 to +6	-6 to +6	-5 to +5	-5 to +5	-5 to +5	-6 to +6	-6 to +6	-6 to +6
Exit Pupil	-	-	-	-	-	-	-	-
Palettes	White Hot, Black Hot, Amber Sepia, Red Hot, Iron Red, Blue Hot, Green Hot	White Hot, Black Hot, Amber Sepia, Red Hot, Iron Red, Blue Hot, Green Hot	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia	White Hot, Black Hot, Red Hot, Green Hot, Iron Red, Blue Hot, Sepia
Display	1.03" AMOLED 2560×2560	1.03" AMOLED 2560×2560	0.32" AMOLED 800×600	0.32" AMOLED 800×600	0.32" AMOLED 800×600	0.49" AMOLED 1440×1080	0.49" AMOLED 1440×1080	0.49" AMOLED 1440×1080
Magnification	4x-32x	2.8x-22.4x	1.9×~7.6×	1.2×~4.8×	1.4×~5.6×	3.26×~13.04x	2.03×~16.24x	2.91×~23.28x
Field of View (Degrees/m @ 100m)	8.8°×7.0°/15.4×12.3	12.5°×10.0°/21.9×17.6	19×14 m	17.5° × 13.1°/31x23	14.4° × 10.8°/25x19m	14×10	22×17	15×12
Detection Range	2600m	1800m	1300m	500m	1000m	1800m	1800m	2600m
NETD	15 mK	15 mK	15mK	15mK	15mK	15mK	15mK	15mK
Response Waveband	8~14 μm	8~14 μm	8 to 14μm	8 to 14μm	8 to 14μm	8 to 14μm	8 to 14μm	8 to 14μm
Pixel Interval	12μm	12μm	12μm	12μm	12μm	12μm	12μm	12μm
Frame Rate	50 Hz	50 Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Sensor Resolution	640×512	640×512	400×300	256×192	400×300	640×300	640×512	640×512
Lens (Focal Length)	50mm	35mm	25mm	10mm	19mm	35mm	35mm	50mm