

# Recon<sup>®</sup> Remote Kit

TWO MAN BACKPACKABLE PAN AND TILT ASSEMBLY WITH REMOTE USER CONTROL STATION



## APPLICATIONS

- TARGETING
- RECONNAISSANCE
- SURVEILLANCE
- FORCE PROTECTION
- SECURITY

## FEATURES

- Convenient three pack system
- Simple set up and tear down
- Battery powered (BB 2590)
- Precise positioning with variable control
- Wireless capability
- Lightweight and rugged

## BENEFITS

- Easily carried by two people
- Allows for quick deployment and relocation
- Rechargeable Lithium ion batteries allow for complete remote operation
- System slew rates allow the use of extended optics with ease
- Allows control station to be remotely located up to 700 feet away
- Reduces fatigue for long duration missions, weather proof design



Wireless communication modules





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## TRIPOD/PAN & TILT ASSEMBLY

Pan &Tilt type	Direct-drive, stepper motors with optical encoders
Field of regard	360° continuous in azimuth, +60°/-60° in elevation
Slew rates	0.05° to 35° per second in azimuth, 0.05° to 8° in elevation
Position accuracy	3 arc minutes
Pan &Tilt weight	14.9 lbs, 6.75 kg
Pan &Tilt color	Black
Tripod type	Expandable
Tripod construction	Heavy-duty aluminum
Tripod height	60" maximum (69" with Pan & Tilt), 26" minimum (35" with Pan & Tilt)
Tripod weight	9.5 lbs, 4.3 kg
Tripod color	Black
Pan & Tilt operating temperature	-15°C to 55°C
Overall weight	28.7 lbs, 13 kg (includes accessory pads)
Carrying dimensions	35" h x 10" w x 5" d

## POWER/COMMUNICATIONS ASSEMBLY

Weight	12.2 lbs, 5.53 kg
Weight of wireless module	2.2 lbs, 0.99 kg
Carrying dimensions	14" h x 10" w x 8" d
Power	24V DC provided by three BB 2590 rechargeable sealed lithium ion cells
Operating temperature	-15°C to 55°C
Operating time	Up to 10 hours
Communications (wireless equipped systems)	Video: Tx, 0.5 w/ 1W switchable, 8 preset channels Data: Rx, RS232, 8 preset channels

## CONTROL STATION ASSEMBLY

Weight without Recon camera	18.9 lbs, 8.57 kg
Weight with Recon III or B2	28.9 lbs, 13.1 kg
Weight of wireless module	2.5 lbs, 1.13 kg
100' communication cable	7.8 lbs, 3.54 kg
Backpack construction	Heavy-gauge nylon rip stop fabric with heavy-duty, self-healing zippers
Display monitor	8.4" TFT LCD NTSC/PAL, IP67
Power	12V DC provided by two BB 2590 rechargeable sealed lithium ion batteries
Operating time	Up to 10 hours
Communications (wireless equipped systems)	Video: Rx, 8 preset channels Data: Tx, 0.25W, 900 MHz, 8 preset channels
Operating temperature	-15°C to 55°C
Video output	External port for DVR or monitor
Carrying dimensions	18" h x 17" w x 14" d

## SYSTEM FEATURES

Two position presets  
 RECON camera storage in control station pack  
 Storage pouch for 2.5x extender optic or other accessories  
 Tripod comes with optional foot pads and spikes  
 Total system weight, less RECON camera: ~60 lbs, ~27.5 kg  
 Cabled or wireless versions available  
 Maximum cable length for cabled variant: 200 feet (61m)  
 Wireless range: 700 feet + (210m +)

## OUTPUTS

Video via BNC

## OPTIONS

6 bay BB 2590 battery charger/conditioner  
 RECON III serial cable adapter (required for non-USB models)  
 Omnidirectional video Tx antenna kit  
 120/240V AC Battery eliminator for Control station assembly  
 120/240V AC Battery eliminator for Power communications assembly  
 12V DC battery eliminator cigar plug adapter for control station assembly

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