

Push-Broom Camera

The Jilin-1 satellite-borne visible spectral push-broom camera has a superiority in imaging capacity & quality and a minor mass & size and gives a full play to the overall efficiency of the optical payload. It is capable of in-orbit adjustment of focal length and integral series, and applicable for various spectral RS video satellites.

The main technical indicators

Part Number	Model	Resolution	Spectral Bands	Focal Length	Weight
JG-P275K		Panchromatic:<10m Multi-spectral:<40m	Panchromatic: 450nm~800nm Blue: 450nm~510nm Green: 510nm~580nm Yellow: 585nm~625nm Red: 630nm~690nm Red edge: 705nm~745nm Near-infrared 1: 770nm~895nm Near-infrared 2: 860nm~1040nm	275mm	5kg±0.2kg
JG-P1100G		Panchromatic:<2.5m Multi-spectral:<10m	Panchromatic: 400nm~800nm Blue: 450nm~520nm Green: 520nm~600nm Red: 630nm~690nm Red edge: 705nm~745nm Near-infrared: 770nm~895nm	1100mm	6.2kg±0.1kg
JG-P1430G		Panchromatic:<1.9m	Panchromatic: 450~750nm	1430mm	4.5kg±0.1kg
JG-P1750G		Panchromatic:<1m Multi-spectral:<4m	Panchromatic: 450~800nm Blue: 430~520nm Green: 520~600nm Red: 630~690nm Near-infrared: 760~900nm	1750mm	5kg±0.2kg
JG-P3200G		Panchromatic:<0.7m Multi-spectral:<2.8m	Panchromatic: 450nm~700nm Blue: 450nm~510nm Green: 510nm~580nm Red: 630nm~690nm Red edge: 705nm~745nm Near-infrared: 770nm~895nm	3200mm	40kg±0.5kg
JG-P3200G-S		Panchromatic:<0.76 Multi-spectral:<3.1m	Panchromatic: 450nm~800nm Blue: 450nm~510nm Green: 510nm~580nm Red: 630nm~690nm Near-infrared: 770nm~895nm	3200mm	81kg±0.5kg
JG-P4850K		Panchromatic:<1m Multi-spectral:<4m	Panchromatic: 450nm~800nm Blue: 450nm~510nm Green: 510nm~580nm Red: 630nm~690nm Near-infrared: 770nm~895nm	4850mm	600kg±2kg
JG-P10000G		Panchromatic:≤0.5m Standard multi-spectral:≤2m Extended multi-spectral:≤4m Short wave infrared:≤5m	Panchromatic: 450nm~800nm Blue: 450nm~510nm Green: 510nm~580nm Red: 630nm~690nm Near infrared 1: 770nm~895nm Short-wave infrared 1: 1195nm~1225nm Short-wave infrared 2: 1360nm~1390nm Short-wave infrared 3: 1550nm~1590nm Short-wave infrared 4: 1610nm~1690nm	10000mm	<1100kg



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