

# Genio



## All Your Camera Robotic Needs

Genio has been designed to perform in different situations, with a 6Kg payload and more interface options it enables users to choose and control the best POV Camera and Lens Configuration for their application without limitation. With its new **HDBaseT** interface alternative users are able to run up to 100 meters RJ45 Cat5/6 for Control, SDI Video and Power.



### Clean and Stable system set-up configuration

With different optional in-built interfaces users are able to choose from either **HDBaseT** or **RS422, TCP/IP, Single Mode Fiber**.



### Control Camera Parameter

Allows users to control the camera parameters like an RCP on selected cameras. Other than the standard Pan, Tilt, Zoom, Focus and Iris control, Kxwell provides more control functions like controlling the camera's GUI menu, AWB, AEB, Shutter, ND filter and Gain.



### Tally Indication & SDS (Self-Diagnostic System) Function

Tally displays when live to air & built-in SDS function which allows the robotic head to keep record of the operation duration and provide advice for maintenance after a certain operation duration.



### Wide Range of Camera and Lens choices

Supports a wide range of Pro-Video & Broadcast cameras and lenses, allowing users to select the best equipment for their application needs.



### Power Supply to Camera

Genio is able to supply power to the camera, allowing users to control the robotic and the camera power from the Kxwell Control Panel and no extra DC adaptor is needed for the camera.

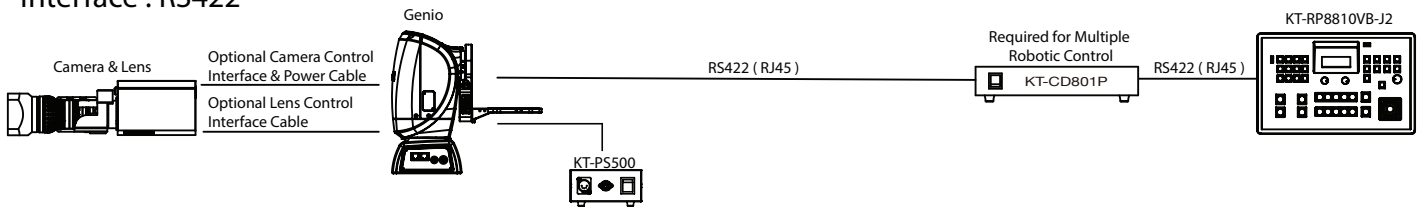


### Variable Speed Control for pan, tilt and lens

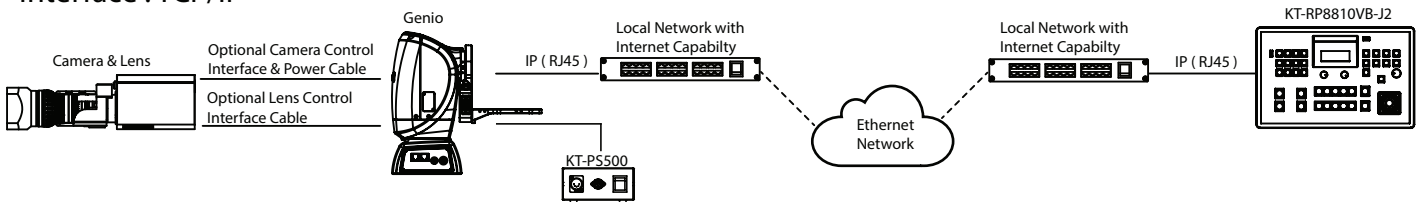
Allows operators to have a smooth control over pan, tilt and lens with adjustable speed.

## Control Interface:

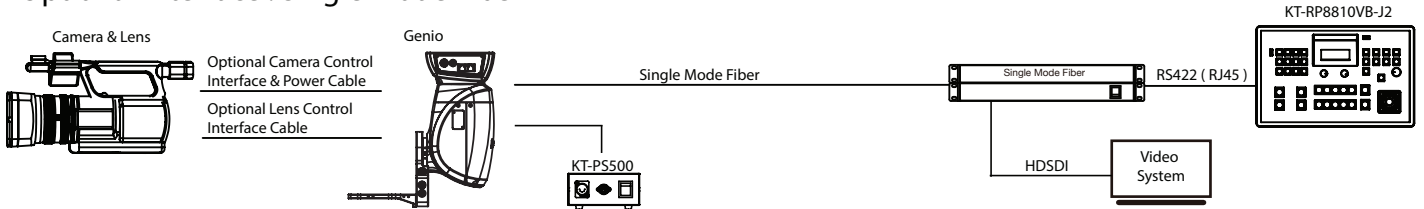
### Interface : RS422



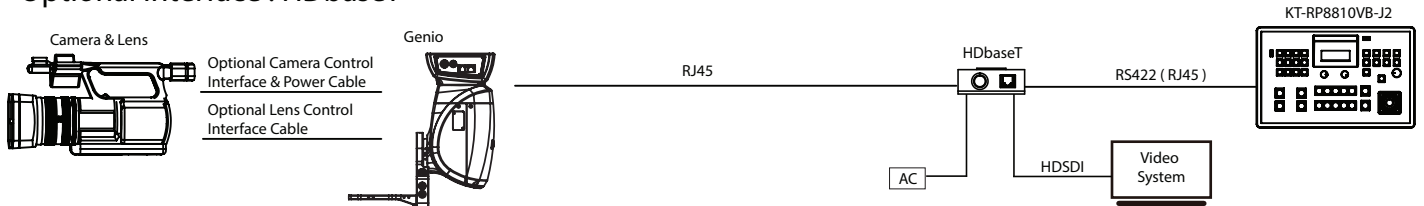
### Interface : TCP/IP



### Optional Interface : Single Mode Fiber



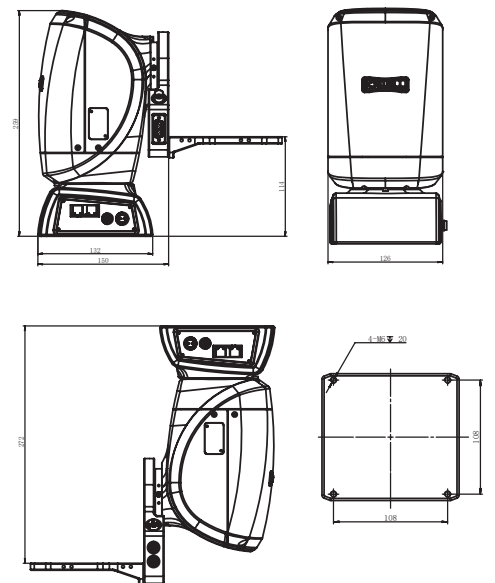
### Optional Interface : HDBaseT



## Specification:

Item	Genio ( KT-PD40xx )
Max Payload	6 Kg , 13.3 Lbs
Pan / Tilt Range	Pan: 300°; Tilt: +100°~-100°(Support Limit Set)
Pan / Tilt Speed	Pan: 0.2°~45°/S; tilt: 0.1°~30°/S
Pre-Set Position	1000 (Pan, Tilt, Lens)
Noise Level	27dB
Working Temperature	-10°C ~ 45°C , 14F ~ 113F
Power supply	AC / DC 15 ~26 V
Wattage	24Watts (Excluding Camera)
Weight	4.5 Kg, 10 Lbs
Optional Install Mount	Tripod, Wall Mount, Ceiling Mount.
Communication Protocol	KXWELL Protocol(default), Sony Visca, Panasonic AW, PELCOD *Kxwell Protocol is Default, if apply others protocol control functions is limited
Tally	Support
Self Diagnostic System	Support
<b>Interface</b>	
RS422	1.2 Km
TCP/IP	100 m
Wireless Control (Option)	2 Km @ 433MHz; 300 m @ 2.4 GHz
3G Fiber (Option)	20 Km; Control signal and HD/SD SDI
HDBaseT (Option)	100 m; Control, SDI Video & Power in one RJ45 cable.
<b>Control Panel</b>	
KXWELL Control Panel	KT-RP8605, KT-RP8705, KT-RP8810VB/W-J2, KT-RP8800-J2, KT-TW8804-J2, KT-RP8910-J2

### Dimension: Unit: mm



\*When HDBaseT interface selected, there will no others interface option.  
\*Above Information may vary according to requested configuration.

## Understand Robotic Head Model Names

KT	-	P	H	4	91	XX
		①	②	③	④	⑤
KT	-	P	D	5	0	XX

### ① Product

P : Pan / Tilt

### ② SDS Function

H : Without SDS Function

D : With SDS Function

### ③ Payload

1 - 3 : Payload <5Kg

4 - 5 : Payload 5Kg to 20Kg

6 - 7 : Payload 21Kg to 50Kg

### ④ Robotic Series

### ⑤ Compatible Camera

S1 : Camera with LANC Remote Interface & 8V DC

S2 : Camera with LANC Remote Interface & 12V DC

S3 : Camera with 8 - Round Pin Interface & 12V DC

S4 : Camera with LANC Remote Interface & 19V DC

S5 : Camera with Multi Port Interface & 8V DC

P1 : Camera with 2.5 & 3.5mm Remote Jack with 7.3V DC

P2 : Camera with 8 - Round Pin Interface & 8V DC

P3 : Camera with 8 - Round Pin Interface & 12V DC

- : POV Camera with Full Servo Analog Lens or Full Digital Servo Lens.

\*Above Information subject to change without prior notice.

\*Compatible Camera Control Function may vary accordingly to the camera.  
( Kindly contact KXWELL for accurate controllable Function on camera )

Full Servo Analog Lens - Canon KTS Lens / Fujinon MD Lens

Full Digital Servo Lens - Canon IASE Lens / Fujinon RD (S6) Lens