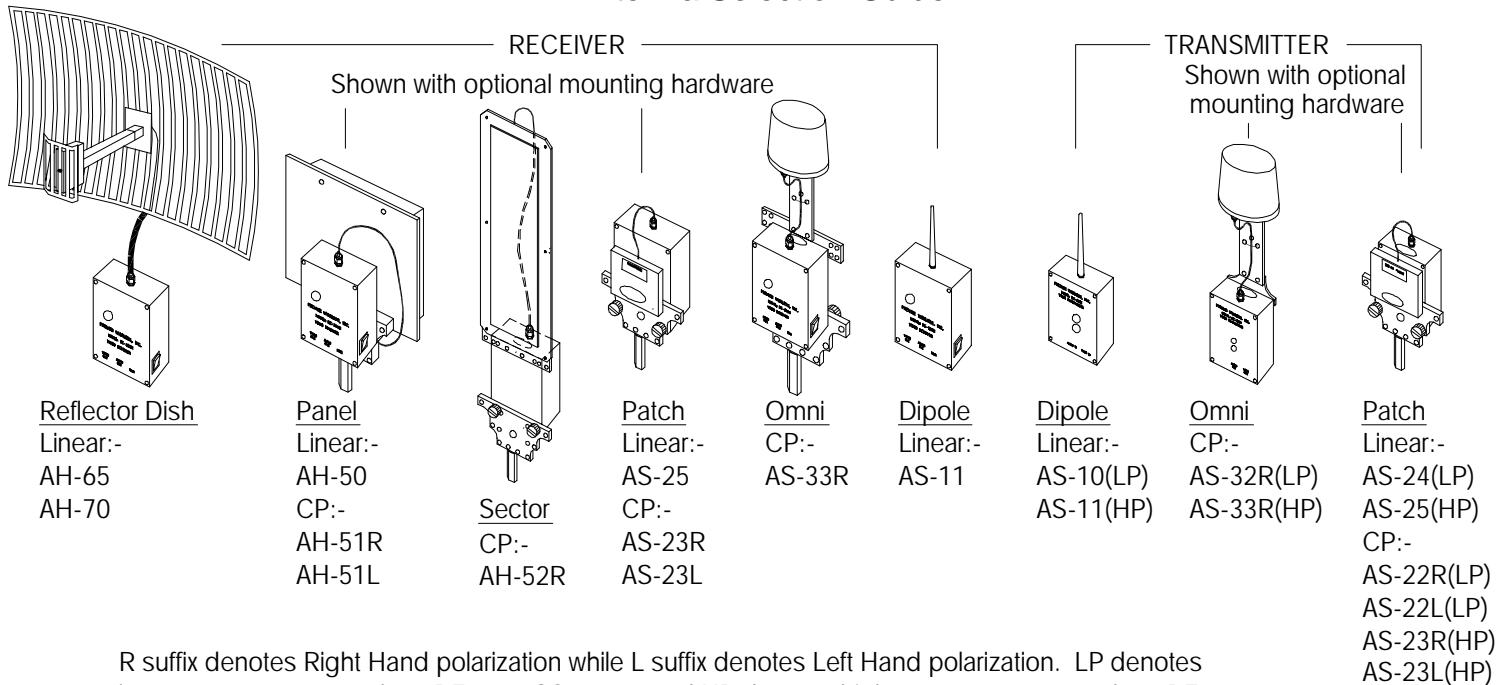


## 2.4 GHz WIRELESS VIDEO SYSTEMS Antenna Selection Guide



R suffix denotes Right Hand polarization while L suffix denotes Left Hand polarization. LP denotes low power systems such as BE-320, CS-220 ... and HP denotes high power systems such as BE-500, etc. EURO models, BE-330 & CS-130 should use HP for antenna selection but LP to estimate distance.

Transmit Antenna	Transmission Angle	Receive Antenna	Reception Angle	Field of Coverage (Ft.) at		Maximum Range (Ft.) (Clear line of sight)
				Midrange	Max. Range	
Dipole	Omni-direct.	Dipole	Omni-direct.	Omni-direct.	Omni-direct.	1,000 (LP) 10,000 (HP)
Omni	Omni-direct.	Omni	Omni-direct.	Omni-direct.	Omni-direct.	1,000 (LP) 10,000 (HP)
Dipole	Omni-direct.	Patch (Linear)	~ 70°	1,400 (LP) 14,000 (HP)	1,400 (LP) 14,000 (HP)	1,400 (LP) 14,000 (HP)
Omni	Omni-direct.	Patch (CP)	~ 70°	1,400 (LP) 14,000 (HP)	1,400 (LP) 14,000 (HP)	1,400 (LP) 14,000 (HP)
Patch	~ 70°	Patch	~ 70°	1,400 (LP) 14,000 (HP)	2,000 (LP) 20,000 (HP)	2,000 (LP) 20,000 (HP)
Dipole	Omni-direct.	Panel (Linear)	~ 40°	1,000 (LP) 10,000 (HP)	2,000 (LP) 20,000 (HP)	3,000 (LP) 30,000 (HP)
Omni	Omni-direct.	Panel (CP)	~ 40°	1,000 (LP) 10,000 (HP)	2,000 (LP) 20,000 (HP)	3,000 (LP) 30,000 (HP)
Patch	~ 70°	Panel	~ 40°	1,400 (LP) 14,000 (HP)	2,800 (LP) 28,000 (HP)	4,000 (LP) 40,000 (HP)
Omni	Omni-direct.	Sector	~60° Hori. ~20° Vert.	2,200 (LP) 22,000 (HP)	4,000 (LP) 40,000 (LP)	4,000 (LP) 40,000 (HP)
Patch	~ 70°	Sector	~60° Hori. ~20° Vert.	3,000 (LP) 30,000 (HP)	5,500 (LP) 55,000 (HP)	5,500 (LP) 55,000 (HP)
Dipole	Omni-direct.	AH-65	~ 14°	700 (LP) 7,000 (HP)	1,400 (LP) 14,000 (HP)	5,500 (LP) 55,000 (HP)
Dipole	Omni-direct.	AH-70	~ 7.5°	700 (LP) 7,000 (HP)	1,400 (LP) 14,000 (HP)	11,000 (LP) 110,000 (HP)

- Notes: (1) The maximum range can usually be achieved under ideal situation, obstructions such as walls and trees can greatly reduce the usable distance.  
 (2) Use circularly polarized (CP) antennas in applications with strong reflections.  
 (3) It may not be able to eliminate reflections that cause video breakups in Mobile Applications, in such cases, use the Diversity systems BE-400, BE-450 to minimize those breakups.  
 (4) Specifications subject to change without notice.