

### CTA320E

#### Features:

- 16 different types of antenna
- RF source generation: 500MHz, 2GHz and 10GHz
- Software simulation of the radiation pattern and characteristics of Antenna
- Antenna Directional Control (Manual/Remote)

#### Training Contents

- Practice of assembling and installing various type of antenna
- Practical experiments and vertical/ horizontal directional characteristics
- Antenna's efficiency and gain calculation and measurement
- Interference experiment



MAIN CONTROLLER	
<b>RF Generator</b>	
Frequency Range	500MHz, 2GHz, 10GHz
Power Range	10mW(Approx.)
Output Impedance	50Ω(Nominal)
Modulation Frequency	1kHz
<b>Receiver &amp; Control</b>	
RF Input Level	-50.0dBm~ 10.0dBm
Ant. Directional Control Range	0°~360°
Ant. Rotor Angle Control	1°/step, 5°/step, 10°/step Manual / PC Interface(RS-232C)
<b>General Specifications</b>	
Operating Condition	10°C~40°C, 10~85%RH
Input Power	AC 220V, 50/60Hz
Dimensions	320(W) x 110(H) x 360(D)mm
Weight	7.5kg
<b>TRANSMIT UNIT</b>	
Fixing(for polarized wave)	Horizontal/Vertical
Ant. Directional Control	Manual
Dimensions	300(W) x 800(H) x 270(D)mm
Weight	7.5kg

RECEIVE UNIT	
Fixing	Horizontal/Vertical
Ant. Directional Control	Manual/PC Interface(RS-232C)
Dimensions	300(W) x 800(H) x 420(D)mm
Weight	9.5kg

RF FREQ.	TYPE OF ANTENNA	Q'ty
500MHz	Dipole Ant.	1
	Folded Dipole Ant.	1
	Yagi Ant.	2
	Monopole Ant.	1
	Drooping Ant.	1
	Circular Loop	1
	Square Loop	1
2GHz	Diamond Loop	1
	Dipole Ant.	2
	Spiral Ant.	1
10GHz	Monopole Ant.	1
	Helical Ant.	1
	Horn Ant.	2
	Rectangular Patch Ant.	1
	Microstrip Planar Array Ant.(Rectangular)	1
	Microstrip Planar Array Ant.(Circular)	1