

Hitachi Kokusai Electric in society

Hitachi Kokusai Electric delivers life- and business-supporting systems and products in communication and information, broadcasting and video, and semiconductor manufacturing. We contribute to society in many areas by offering communication infrastructure supporting advanced information networks, a wide variety of public and industrial wireless communication systems resulting from a combination of wireless communication technology and video technology, broadcasting systems from broadcasting cameras to transmitters and receivers, monitoring systems containing advanced video technology, compact high-resolution video cameras applicable to manufacturing, medical, biological, and other fields, and equipment manufacturing semiconductors with increasingly enhanced integration levels.

In the field of wireless communication



● **Airport Wireless Communication System**
Digital wireless systems used at major domestic airports



● **Cellular Phone Base Station AMP (Amplifier)**
Power amplifier systems used at cellular phone stations



● **Disaster Preventive Administrative Wireless Communication System**
Used for emergency communication and publication in municipalities when disasters occur



● **Wireless Broad Band System**
Network established with micro waves where cable cannot be used such as across rivers, public roads, and places between buildings.

In the field of semiconductor manufacturing



● **Vertical Diffusion/LPCVD System QUIXACE**
New concept of vertical heat treatment systems with integration of batch type heat precessing technology



● **Batch Type Atomic Layer Deposition Process Tool ALDINNA**
Batch type ALD systems making high quality membrane with high throughput at low temperatures



● **Single Wafer Plasma Nitridation System MARORA**
Plasma processing systems without plasma damage by introducing original MMT plasma type



● **Batch Type Epi Si/SiGe Process Tool**
Batch type Epi-SiGe systems, achievement of high quality cristal with high throughput at low temperatures

In the field of examination, measurement, and surveillance



● **Minute Size Measuring Equipment**
Noncontact measuring systems, measurable ultrasmall size as small as the submicron level



● **Public Facility Surveillance System (Road)**
Surveillance system used for public facilitie (road)



● **Public Facility Surveillance System (Bridge)**
Surveillance system used for public facilitie (bridge)



● **Network Camera**
Network type surveillance camera



● **LCD Substrate Size Measuring Equipment**
Highly precise measuring systems used for glass board and pattern dimensions of filters in the LCD manufacturing process

In the field of information display, collection, and delivery



● **Noncontact IC Tag (Card) Systems**
Locating systems by using IC tags attached to books



● **Multimedia Display Systems**
Used for delivering and displaying data, images, motion pictures, and more via network



● **Stock Price Display Terminal**
Displaying systems that show stock prices, currency exchanges, and such information in businesses and lobbies of stockbrokers and banks.



In the field of broadcasting



● **Water-cooled 3kW Digital Terrestrial Broadcasting Transmitter**
Transmitting systems at key stations, which transmit terrestrial digital TV broadcasting waves



● **Nonlinear Transmission System**
Broadcasting systems that transmit broadcast programs, commercial messages, and more registered on the servers in accordance with programs



● **Broadcasting Cameras**
Various types of broadcasting cameras such as high-definition-ready multistandard cameras