

The World's First Solid-State Image Sensor Video Camera for Home Use

Registration No.	Number 00155		
Registration Date	September 2, 2014	Registration Category	Category 1
Name (Model, etc.)	Solid-State Video Camera (VK-C1000)		
Location	Mito City, Ibaraki		
	Ibaraki Prefectural Museum of History		
Owner (Custodian)	Ibaraki Prefecture		
Manufacturer (Company)	Hitachi, Ltd.		
Year Manufactured	1981		
Year first appeared	1981		
Reason For Selection	The world's first single-plate video camera for home use using a solid-state image sensor. This camera used a MOS image sensor. From the 1970s onwards, research and development was carried out with the aim of replacing the old video camera tubes with a solid-state image sensor, resulting in a number of different formats, including the CCD format, which later became the dominant format. While the dominant CCD format had superior image quality, the MOS format had a good overall balance between ease of manufacture image quality and power consumption, among other factors, and has developed into the C-MOS format widely used in mobile phones and other devices today.		
Registration Standard	1 - B(Show a uniquely Japanese scientific or technological development from an international perspective.)		
Open/Closed to Public	Open to Public		
Photo			
Other useful information	This piece is from the "Tokai History Museum", which was part of Hitachi's Tokai Works.		