RAYSCAN S

Large FOV(20x20) 4 in 1
Pano / Ceph / CBCT / CT impression scan
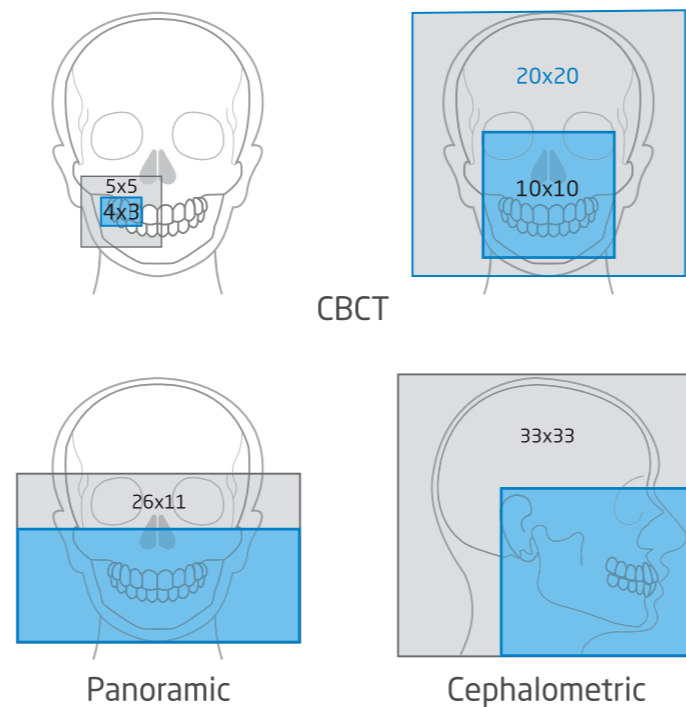
Patient safe and easy operation

Visible X-ray guide

- Used for FOV positioning assistance.
- Provides a visual guide of the area to be scanned, limiting unnecessary exposure to your patient.
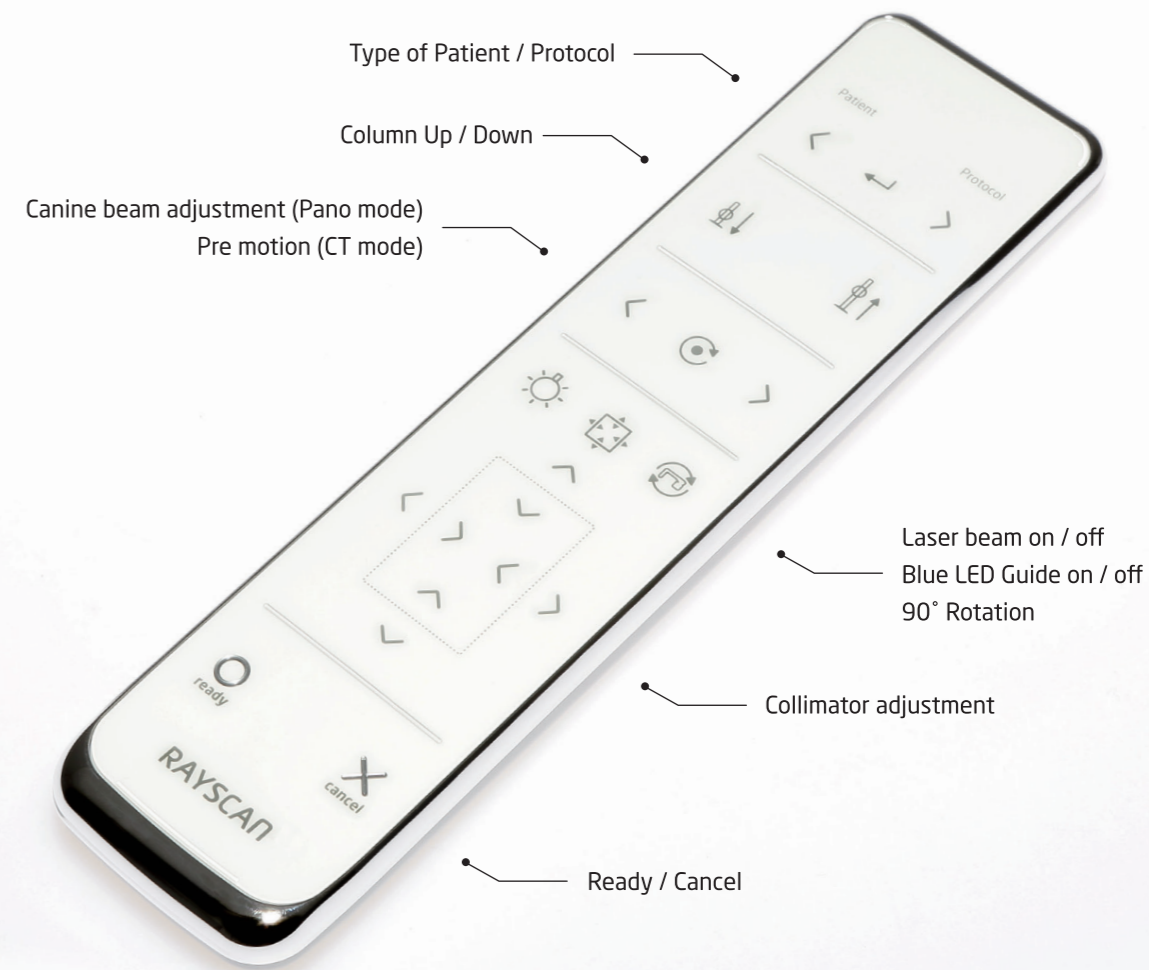
See where you focus
with Light guided free FOV

Dose Reduction

5x5
4x3

20x20

10x10

CBCT

26x11

Panoramic

33x33

Cephalometric

Wireless remote control

Non-directional wireless remote control facilitates your patient positioning easier than ever.

Type of Patient / Protocol

Column Up / Down

Canine beam adjustment (Pano mode)
Pre motion (CT mode)

Laser beam on / off
Blue LED Guide on / off
90˚ Rotation

Collimator adjustment
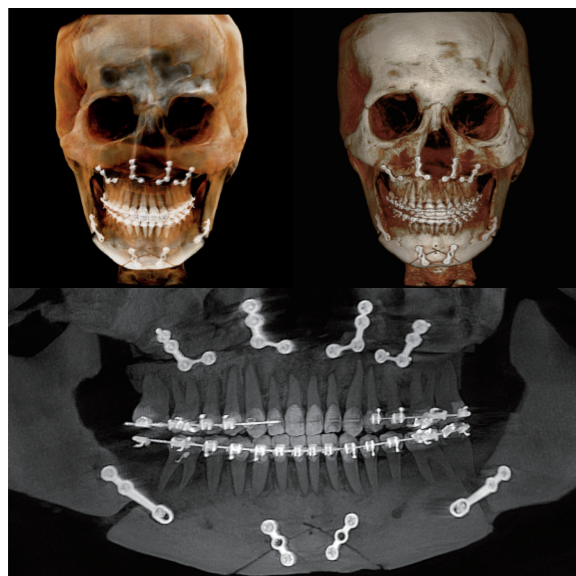
Ready / Cancel

RAYSCAN

ready

cancel

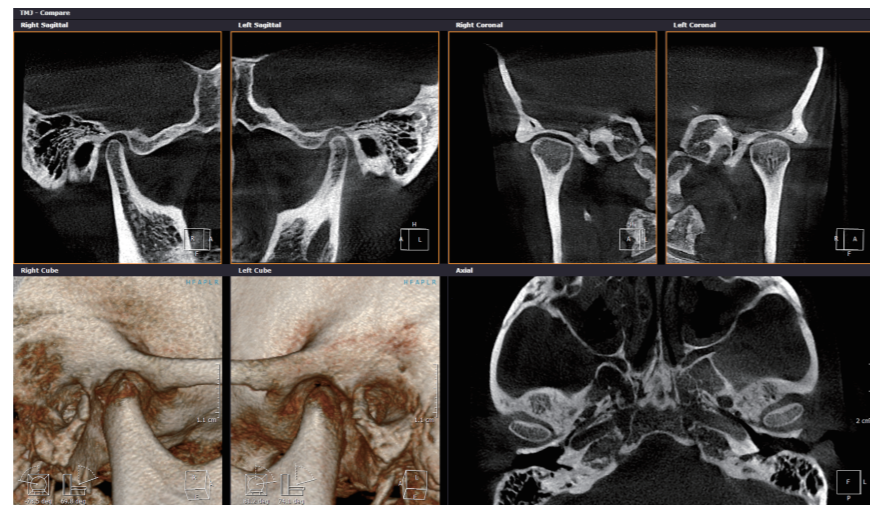# All-in-one scanner for every clinical specialty

Thanks to the endless efforts and continuous contribution from dental professionals all over the world.
RAYSCAN S provides accurate diagnostics for treatment that can be applied to all forms of digital dentistry.

ORAL AND MAXILLOFACIAL SURGERY
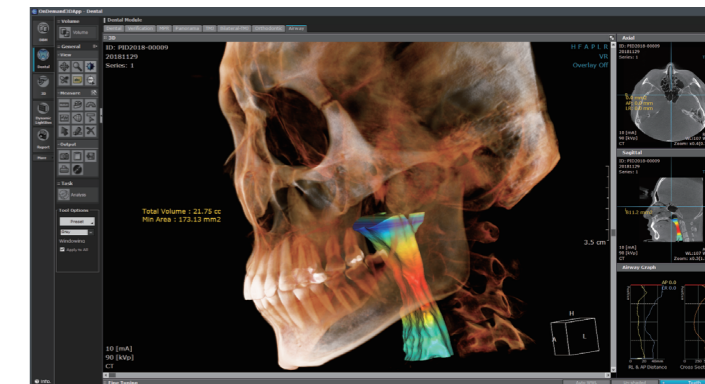

Assessment of pre-operation and post-operation

Capture both left and right TMJ with a single capture; the 200μm TMJ images aid to diagnosis a variety of TMD
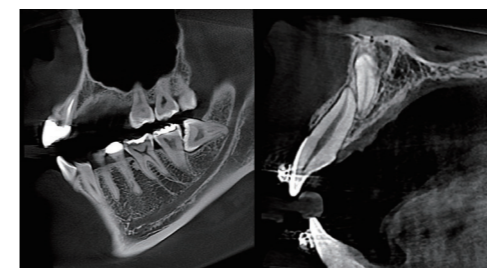
ORTHODONTICS

3D radiographic analysis supports accurate diagnosis and optimal treatment objectives without any distortion and superimposition of other structures.
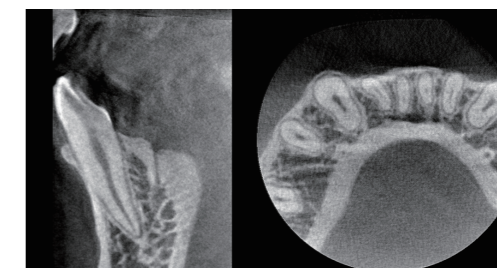
AIRWAY ANALYSIS

Excellent visualization of static airway morphology. The airway space should be evaluated systematically with the capability to measure airway dimensions.

IMPACTED TEETH

It helps to determine the exact location of impacted teeth and amount of root resorption adjacent teeth.

ENDODONTICS

Scan and reconstruct at 70μm with a focused filed of view for precise endodontic cases.
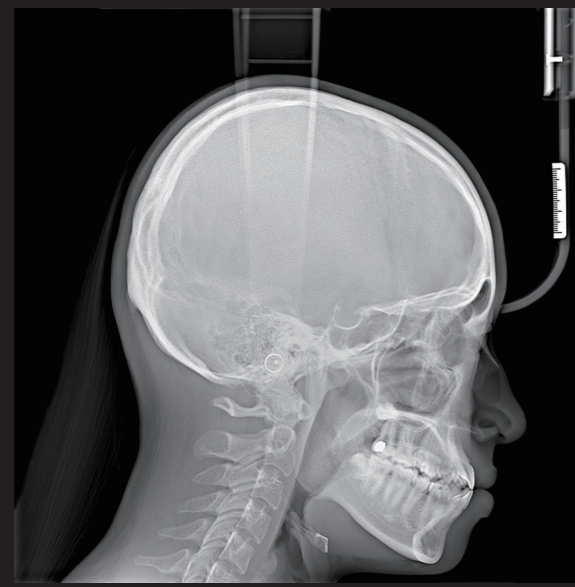
PERIODONTICS

Crystal clear image for precise dental caries.

Various diagnostic value
with Cephalometric images

- Highly advanced a-Si TFT built-in sensor deliver high quality images less than 1 second.
- The visible light guide helps to reduce unnecessary X-ray dosage from 8x8 to 33x33
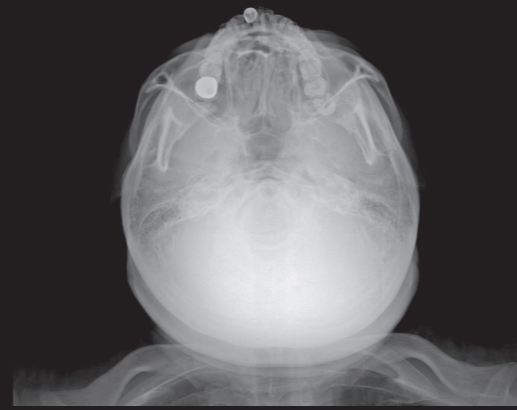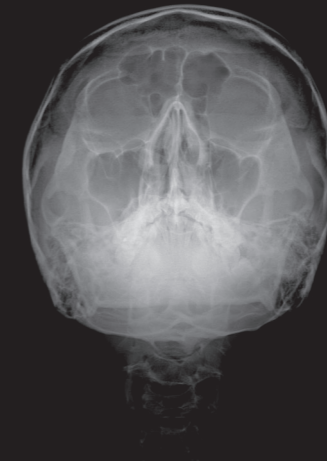 different image sizes.

Lateral

Lateral Wide

PA

Carpus

SMV

Waters

Reverse-Towne

CT impression scan

Clinical Applications

A breakthrough innovation in digitizing patients' dentition without the need for any additional optical scanning devices.

- Provide crystal clear STL output
- Digital patient plaster

CT scan directly digitizes your impressions without angular errors in full arch scan.

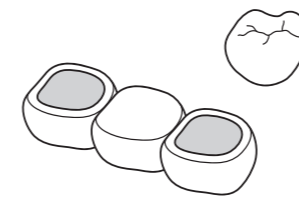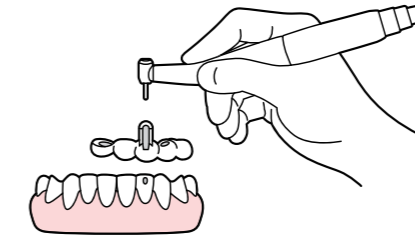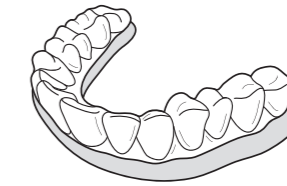- Applicable various clinical applications are evaluated with Ray Key opinion doctors
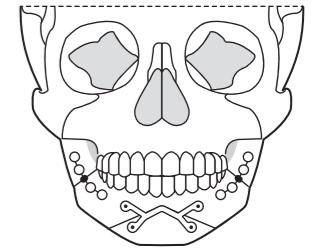
CT impression scan

Partial arch

Full arch
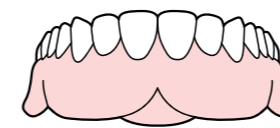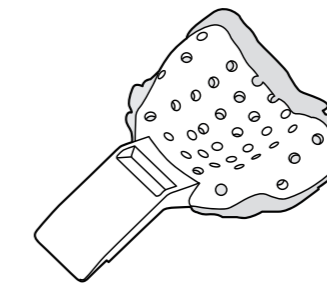
Teeth
(Crown & Bridge)

Surgical Guide

Clear aligner
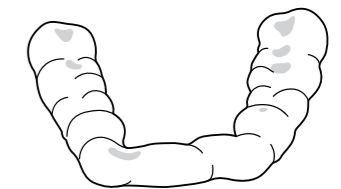
Orthognathic
surgical guide

Denture /
Prosthesis duplication

Custom tray
Bleaching tray

Bite Splint
Crown lengthening guide
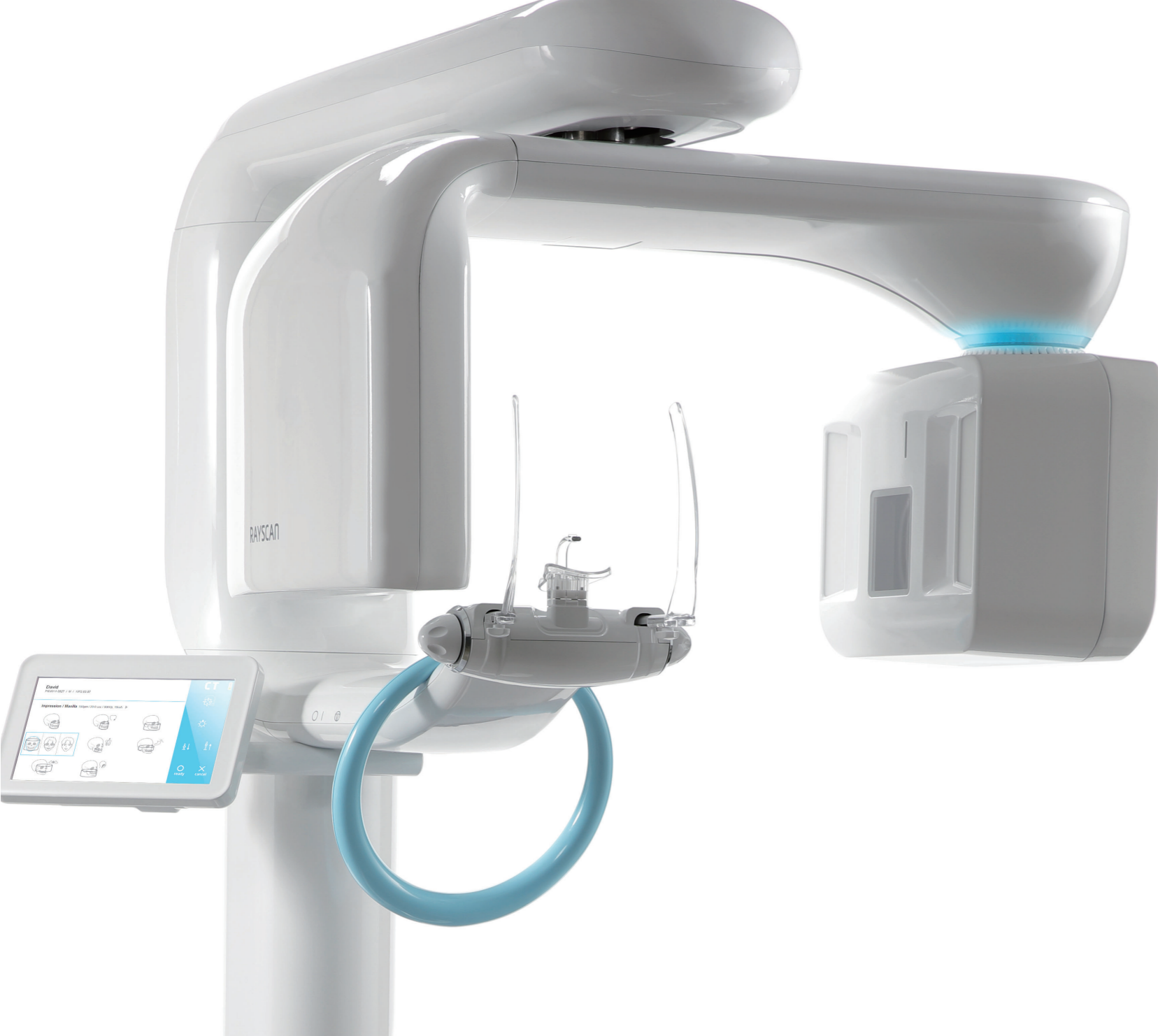
Specifications

RAYSCAN S (RCT800)

Type	Cone Beam CT, Panoramic, Cephalometric, Object scan (CT Impression)*
Patient positioning	Standing (Wheelchair accessible)
Focal spot	0.5
Tube current	4~17mA
Tube voltage	60~90kV

	CBCT		Panoramic	
FOV size	Max. 20x20cm		Image size	Max. 12cm (H)
Free FOV support	Yes		Free FOV support	Yes
Scan time	4.9~16sec		Scan time	Max. 14sec
Voxel size	70~300μm			
Fast scan mode	Yes			
Object scan support*	Yes (CT Impression and model scan)			

	Cephalometric (Option)		
Type	SC (Scanning Ceph)	OCS (One-shot Ceph Standard)	OCL (One-shot Ceph Large)
Image size	Max. 26x22.5cm	Max. 30x25cm	Max. 33x33cm
Scan time	Max. 20s	Max. 0.8s	Max. 0.5s

RAYDENT Converter for CT impression scan

Conversion Software Requirements	Windows 7 64bit (or higher)
	Intel 5th Gen Core i5 above
	8GB RAM (or higher)
	NVidia GeForce GTX750 2GB, AMD Radeon HD 8000 2GB, Intel HD graphic 4600 (or higher)
	Monitor Resolution 1366x768 (or higher)

Ray

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