HimawariCast: software manual

Kencast client Ver.9

13 September 2017

JMA's HimawariCast software enables conversion of HRIT files received via the HimawariCast service into SATAID format and allows display on a PC with other data in SATAID format. The software runs on Windows (64-bit OS) with 8 GB or more memory. This document outlines how the software is installed and configured.

1. KenCast Fazzt Professional Client

1.1. Preparation for Installation

Connect to the Internet.

1.1.1. Executing Windows Update

Run Windows Update to ensure that your OS is the latest version.

1.1.2. Installing Database Software

Install MS SQL Server 2014 Express Edition SP 1 using the Fazzt Client ver. 9.0.x CD (Kencast, Inc.). Run install64.bat (for 64-bit OS) from the 3rdParty\SQLExpress folder. Note: Use of the Fazzt Client ver. 9.0.x CD (Kencast, Inc.) is recommended.

The installation command prompt screen will open, and a [User account control] pop-up window will be displayed. Click the [Yes] button.

In the [Choose Directory For Extracted Files] pop-up window, click the [OK] button.

Choose Directory For Extracted Files	\times
Choose Directory For Extracted Files D¥1 abcs73db67bff82110e49¥	
Ok Cancel Browse	

On the [Product Key] screen, click the [Next >] button.

🐮 SQL Server 2014 Setup				×
SQL Server 2014 Setup Product Key Specify the edition of SQL Server Product Key License Terms Global Rules Microsoft Updates Install Setup Files Install Rules Setup Role Feature Selection Feature Selection Feature Rules Instance Configuration Server Configuration	rer 2014 to install. Validate this instance of SQL Server 2014 by entering the 25-character of authenticity or product packaging. You can also specify a free editio or Express. Evaluation has the largest set of SQL Server features, as doc Online, and is activated with a 180-day expiration. To upgrade from on Edition Upgrade Wizard. © Specify a free edition: Express O Enter the product key:	key from the Microsol n of SQL Server, such a cumented in SQL Serve le edition to another, n	ft certifica as Evaluat er Books un the	×
Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	< Bark	Nexta	Cancel	sl

Check the [I accept the license terms.] box on the [License Term] screen and click the [Next >] button.



On the [Global Rules] screen, check the computer and the conditions for SQL Server installation, then click the [Next >] button



Check the [Use Microsoft Update...] box on the [Microsoft Update] screen, then click the [Next >] button.



On the [Product Updates] screen, click the [Next >] button if there are no files to update.



On the [Install Rules] screen, click the [Next >] button.



On the [Setup Role] screen, click the [Next >] button.



On the [Feature Selection] screen, click the [Next >] button.

Feature Selection Select the Express features to	install.			
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Setup Role Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration	Eeatures: Database Engine Services SQL Server Replicatio Shared Features Client Tools Connectivity Client Tools Backwards C Client Tools SDK Client Tools SDK Management Tools - Bas Management Tools - Bas SQL Client Connectivity S LocaIDB Redistributable Features	n ompatibility ic Complete DK	Feature description: The configuration and operation of each instance feature of a SQL Server instances isolated from other SQL Server instances. Server instances can operate side-by-side Prerequisites for selected features: Already installed: Windows PowerShell 2.0 Microsoft .NET Framework 3.5 Solution Disk Space Requirements Drive C: 2423 MB required, 885836 MB available	is SQL e on
Feature Configuration Rules Ready to Install Installation Progress Complete	Select <u>A</u> II <u>U</u> nselect AII Instance root directory: Shared feature directory: Shared feature directory (<u>x</u> 86):	C:¥Program File C:¥Program File C:¥Program File	s¥Microsoft SQL Server¥ s¥Microsoft SQL Server¥ s (x86)¥Microsoft SQL Server¥	

On the [Instance Configuration] screen, click the [Next >] button.

🐮 SQL Server 2014 Setup					1 <u>00</u> 1		×
Instance Configuration Specify the name and instance	e ID for the instance of S	QL Server. Instance	ID becomes part of th	ne installation path.			
Product Key License Terms Global Rules	 <u>D</u>efault instance <u>Named instance</u>: 	SQLEXPRESS					
Microsoft Update Product Updates Install Setup Files	Instance <u>I</u> D:	SQLEXPRESS					
Setup Role Feature Selection Feature Rules	SQL Server directory: Installed instances:	C:¥Program Files¥	Microsoft SQL Server	¥MSSQL12.SQLEXPRESS			
Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Instance Name	Instance ID	Features	Edition	Ver	rsion	
			< <u>B</u> ack	Next > Cance		Help	

On the [Server Configuration] screen, click the [Next >] button.

0.000						
Server Configuration						
Specify the service accounts an	d collation configuration.					
Product Key	Service Accounts Collation					
License Terms	N. 6					
Global Rules	Microsoft recommends that you	use a separate account for each	SQL Server servi	ice.		_
Microsoft Update	Service	Account Name	Password	Startup	fype	
Product Updates	SQL Server Database Engine	NT Service¥MSSQL\$SQL		Automat	c	4
Install Setup Files	SQL Server Browser	NT AUTHORITY¥LOCAL		Automat	¢	~
eature Rules nstance Configuration Server Configuration						
Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete						

On the [Database Engine Configuration] screen, click the [Next >] button.

🐮 SQL Server 2014 Setup					122-1		×
Database Engine Config Specify Database Engine auther	uration	administrators and	data directories				
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Setup Role Feature Selection Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration	Server Configuration Specify the authent Authentication Mod Windows authen Mixed Mode (SQ Specify the password: Confirm password: Confirm password: Specify SQL Server a BULTINVACIMINIST NT AUTHORITYSYS	Data Directories ication mode and i de tication mode L Server authentica rd for the SQL Serv for the SQL Serv doministrators	User Instances administrators fo ation and Windo er system admin	FILESTREAM or the Database Engi ws authentication) istrator (sa) account	ne.	ministrato	s
Ready to Install Installation Progress Complete	Add Current User	¥JMA (JMA) Add Ri	emove < <u>B</u> ack	<u>N</u> ext >	to the Databas	e Engine. Help	

On the [Ready to Install] screen, click the [Install] button.



On the [Complete] screen, click the [Close] button.

🐮 SQL Server 2014 Setup		- 0	×
Complete Your SQL Server 2014 installar	tion completed successfully with product updates.		
Product Key License Terms Global Rules Microsoft Update Product Updates Install Setup Files Install Rules Setup Role Feature Selection	Information about the Setup operation or poss Feature Client Tools Connectivity Client Tools SDK Client Tools SDK Management Tools - Basic Database Engine Services SOL Server Replication	ble next steps: Status Succeeded Succeeded Succeeded Succeeded Succeeded Succeeded	
Feature Rules Instance Configuration Server Configuration Database Engine Configuration Feature Configuration Rules Ready to Install Installation Progress Complete	Details: Viewing Product Documentation for SC Only the components that you use to view been installed. By default, the Help Viewer SQL Server, you can use the Help Library your local computer. For more information, (<http: ?linkid="2?<br" fwink="" go.microsoft.com="">Summary log file has been saved to the followin C:¥Program Files¥Microsoft SQL Server¥120¥S ¥Summary DESKTOP-9NLO63P_20160817_15</http:>	IL Server and manage the documentation for SQL Server hav component uses the online library. After installing Vanager component to download documentation to see Use Microsoft Books Online for SQL Server <u>99578></u>). Ig location: <u>etup Bootstrap¥Log¥20160817_150547</u> . <u>0547.txt</u>	•
		Close Help	

The database program will be installed. Press any key to close the command prompt screen.



1.1.3. Installing 7-Zip

Go to the link below, download 7-Zip (for 64bit) and install it.

http://www.7-zip.org/download.html

Follow the wizard to install.

Note: Do not change the installation directory.

1.1.4. Installing HimawariCast Software

Go to the link below and download JMA's HimawariCast software.

http://www.data.jma.go.jp/mscweb/en/himawari89/himawari_cast/himawari_cast.ht

ml#software

Unzip the downloaded HimawariCast_software.zip file to reveal the following two folders:

KenCast

SATAI D

Move the SATAI D folder to drive C: $\$ for a location at C: $\$ SATAI D.

Note: Script files in the KenCast folder should be moved to another folder as described in 1.2.2.

1.1.5. Creating Folders

Create the following required folders using Windows Explorer:

- C: \HRIT C: \HRIT_in C: \HRIT_tmp C: \LRIT C: \MANAM
- C: \SATAID_I mage
- C: \SATAI D_Obs
- C: \Temp

1.2. Installing KenCast Fazzt Professional Client

1.2.1. Installing Fazzt Client

Install Fazzt Client for Windows using the Fazzt Client CD. Execute FazztProfessi onal Cl i ent. exe from the Fazzt\Wi ndows folder.

Fazzt Client will be installed under

C:\Program Files (x86)\KenCast\.



On the Wizard screen, follow the guidance and click the [Next >] button.

On the [End-User License Agreement] screen, click the [I Agree] button.

azzt Professional Client 9.0.0.2		>
End-User License Agreement		
Your CUSTOMER LICENSE LABEL can be f ROM or diskettes on which you received the	und on the EULA that accompanied the CD- azzt software.	^
NOTICE TO USER: THIS IS A CONTRACT. BELOW, YOU ACCEPT ALL TERMS AND C	BY INSTALLING OR USING THE PRODUCT INDITIONS OF THIS AGREEMENT.	
IMPORTANT - READ CAREFULLY: This En between you (either an individual or a single a manufacturer of the computer software specif Agreement. You are subject to the terms and whether you acquired KenCast's Fazzt software such as a supplier of other software or of hard associated media, any printed materials, and term Product shall also include any Releases its distributors. By installing or otherwise using	Huser License Agreement is a legal agreement tity) and KenCast, Inc. ("KenCast"), the ad in the CUSTOMER LICENSE LABEL of this conditions of this End-User License Agreement e directly from KenCast, or from another source ware. Product includes computer software, the ny "online" or electronic documentation. The n'Versions of Product obtained from KenCast or he Product, you agree to be bound by the terms	~
Fazzta Digital Delivery System		
	Kack LAgree Cance	Ê

On the [License File] screen, click the [Browse] button and select the License File (file type: .kcl) provided with the Fazzt Professional Client purchase, then click the [Next >] button.

Note: The License File should be placed in advance in any folder. After installation, it will be copied to the Destination Folder specified later.

Fazzt Professional Client 9.0.0.2		×
License File		\leq
Your Fazzt license file was shipped o have been delivered via email. You r operated.	in a separate disk along with the Fazzt : nust install this file before the Fazzt soft	software or may ware can be
Multiple license files may be included ONE COMPUTER ONLY. Contact K	i on one disk. You may install a given lid enCast if you require additional licenses	cense file on s.
	kcl	Browse
Fazzta Digital Delivery System		_
	< <u>B</u> ack <u>N</u> ext>	Cancel

On the [Select Database Server] screen, click the [Next >] button.



On the [Service Log On Account] screen, click the [Next >] button. The [Username] and [Password] fields can be left empty.

Fazzt Professional Client 9.0.0.2	×
Service Log On Account	\leq
You may specify the user accou Domain/MyUser or .'MyLocalU service will run under the LocalS For multinode products such as common user account. It is also network shares.	int that the Fazzt service will use. The format for username is ser. If you leave the username and password empty the Fazzt System account. the Enterprise Server, it is required that all nodes run under necessary to use a user account if Fazzt needs to access
Username	
Password	
Fazzta Digital Delivery System	< Back Next> Cancel

On the [Destination Location] screen, click the [Next >] button.

Fazzt Professional Client 9.0.0.2	>
Destination Location	<
Setup will install Fazzt Professional Client 9.0.0.2 in the followi	ng folder.
To install into a different folder, click Browse, and select anoth	ner folder.
You can choose not to install Fazzt Professional Client 9.0.0.2 Setup.	by clicking Cancel to exit
p Destination Folder	
C:\Program Files (x86)\KenCast\Fazzt	Browse
	20 - 20 - 20 - 20 - 20 - 20 - 20 - 20 -
azzta Digital Delivery System	



Click the [Next >] button on the [Start Installation] screen to begin installation.

Click the [Finish] button to complete installation.



1.2.2. Installing Fazzt Script

Create the following folder under the Fazzt Client installation folder as a place to store Fazzt Script files.

C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast

Store the following Fazzt Script files in the KenCast folder (as specified in 1.1.4) in the above folder:

DeleteFilesOlderThanN.fzt Match10.fzt CombineAnyway.fzt ConcAndConvert.fzt UnzipIncomingFiles.fzt

The KenCast folder can then be deleted.

1.3. Configuring KenCast Fazzt Professional Client

The Fazzt Client web-based configuration page can be accessed via a web browser. The default URL is as follows:

http://127.0.0.1:4039/

Right-click the antenna icon on the right of the task bar and select [Admin (WWW)] from the pop-up menu. A browser will open.



The following screen will be displayed:



1.3.1. Adding Channels

Add a channel for data receipt.

Go to [Configuration] on the left of the screen and select [Channels]. The Channels setting screen will be displayed.

(-) % http://127.0.0.1.4039/	admin/index.fsp 🔎 = 🖒 🕌 Fazzt Admir	histration (DESKT ×	- ロ × 介会図 🙂
			870,050- 488 - 72
KenCast Fazzt Adminis	tration (DESKTOP-9NLO63P)		Welcome Administrator
Configuration Channels	Channels		
Storage Settings Database	Channels Channel Defaults		
License Logging Scripting	Add Delete Refresh Help		
Script Folders R Backhaul Passwords	eceive Channels		
Alarms	Ghannel 🔥	Type	
Web Sites Import/Export] 🛛 🖽 <u>1. Main</u>	IP Receive (Multicast)	Edit Delete Reload Disable
Tools Schedule	Add Delete Refresh Help		
Statistics			
▶ Logs			
Documentation			

The Main channel is already present by default. Click the [Delete] button to delete it. Click the [OK] button in the window below to confirm deletion.



Click the [Add] button.

 (-) (-) (-) (-) (-) (-) (-) (-) (-) (-)	4039/admin/index.fsp $\mathcal{D} \neq \mathcal{O}$ SFazzt Administration (DESKT.,, ×	- ロ × 命☆感 <mark>愛</mark>
KenCast Fazzt Admi	inistration (DESKTOP-9NLO63P)	Welcome Administrator
 Configuration Channels 	Channels	
Storage Settings Database License	Channels Channel Defaults Add Delete Refresh Help	
Logging Scripting Script Folders Backhaul	Receive Channels	
Passwords Alarms	Channel A Ivpe	
Web Sites	No receive channels	
Tools Schedule	Add Delete Refresh Help	
Applications		
Statistics		
Documentation		

Select [IP Receive (Multicast)] from the Receive list.



Set up the required items on the Add IP Receive (Multicast) Channel setting screen.

- 🗆 × ଜୁଇଷ୍ <mark>ଞ</mark>
Welcome Administrator

Description:	(Input the channel name, e.g., Hi mawari Cast.)
IP Address:	(Input the IP address of the multicast to be used.
	This is 239. 0. 0. 1 for HimawariCast.)
IP Family:	(Select [IPv4].)
Port:	(Input the port number of the multicast to be used.
	This is 8001 for HimawariCast.)
Buffer Size:	6291456
Interface:	(Select the network interface of the channel to be used.)

Click the [Save] button.

Note: Pay attention to PC firewall settings.

Permit settings to allow receipt via the above multicast IP address and port number. Refer to the relevant firewall manual for instructions. The Channels screen will be displayed as follows:

(1-4039/admin/index.fsp	(- L × 企会感 <mark>。</mark>
KenCast Fazzt Adn	ninistration (DESKTOP-9NLO63P)		Welcome Administrator
▼ Configuration Channels Receive Settings Storage Settings Database License Logging Scripting Script Folders Backhaul	Channels Channels Channel Defaults Add Delete Refresh Help Receive Channels		
Passwords	Channel	Tuna	
Web Sites Import/Export	□ □ 1. <u>HimawariCast</u> IP Address: 239.0.1 Port: 8001	IP Receive (Multicast)	Edit Delete Reload Disable
 Applications Statistics Logs Documentation 	Add Delete Refresh Help		

1.3.2. Receive Settings

Go to [Configuration] on the left of the screen and select [Receive Settings]. The Receive Settings screen will be displayed.

	0 *			×
S (S) & http://127.00	Lite4039/admin/index.tsp D + C	Fazzt Administration (DE	skt×	W 22 18 🖌
**				
KenCast Fazzt Adr	ninistration (DESKTOP-	9NLO63P)		Welcome Administrator
★ Configuration Channels	Receive Settings			
Receive Settings Storage Settings	Settings Logging Vir	tual Paths Post Process	ing Configuration	
Database License Logging Script Folders Backhaul Passwords Alarms Web Sites Import/Export > Schedule > Applications	Allow network paths Allow absolute paths Allow absolute paths Unwrap incoming package Enable AutoScripts in inco Enable incoming Fazzt co Ignore transmissions from Receive only from: Fazzt Script	es oming packages nfiguration updates n self		
Statistics	On Complete Transmissions:			
▶ Logs	On Incomplete Transmissions	1		
Documentation	Temporary Storage			
	Temporary Storage Directory	%FAZZTTEMP%\ktd		
	 Use temporary directory of Local Temporary Directory Stream 	on each volume: FazztTemp]	
	Default Output Setting:	Use flags from Server 🗸]	
	Output Interface:	(default)	~	
	Convert Multicast Output t IP Address:	o Unicast		
	Output TTL:		(0-255), when empty - server specified	
	Default Recording Setting:	Use flags from Server 🗸		
	Recorded Stream Directory:	%FAZZTCACHE%\stream	ns\rec	
	Save Reset Help			

Uncheck the following:

□ Allow network paths

 $\hfill \square$ Allow absolute paths

Click [On Complete Transmissions] and select the following Fazzt Script:

C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\ UnzipIncomingFiles.fzt

Click the [Save] button.

The Receive Settings screen will be displayed as follows:

(-) (-) (-) (-) (-) (-) (-) (-) (-) (-)	:4039/admin/index.fsp 🔎 = C	Se Fazzt Administration (DESKT ×	- □ × 命会贸 <mark>8</mark>
*			
KenCast Fazzt Adm	inistration (DESKTOP-9	NLO63P)	Welcome Administrator
▼Configuration Channels	Receive Settings		
Storage Settings Database	Settings Logging Virt	al Paths Post Processing Configuration	
License Logging	Allow network paths		
Scripting Script Folders	 Allow absolute paths Unwrap incoming package 	5	
Passwords	Enable AutoScripts in inco	ning packages	
Alarms Wob Sites	Enable incoming Fazzt con	figuration updates	
Import/Export	Ignore transmissions from	self	
▶ Tools	Receive only from:		
Schedule	Eazzt Scrint		
Applications	On Complete Transmissions:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\Himawai	
> Statistics	On Incomplete Transmissions:		
Documentation		<u></u>	
Official Street States and States and	Temporary Storage		
	Temporary Storage Directory:	%FAZZTTEMP%\ktd	
	Use temporary directory o	n each volume:	
	Local Temporary Directory	Fazztiemp	
	Stream		
	Default Output Setting:	Use flags from Server 🗸	
	Output Interface:	(default)	
	Convert Multicast Output to IP Address:	Unicast	
	Output TTL:	(0-255), when empty - server specified	
	Default Recording Setting:	Use flags from Server 🗸	
	Recorded Stream Directory:	%FAZZTCACHE%\streams\rec	
	Save Reset Help		

Select Virtual Paths from the menu bar on the Receive Settings screen.

(-) (-) (-) (-) (-) (-) (-) (-) (-) (-)	1:4039/admin/index.fsp 🔎 = 🖒	Seazet Administration (DESKT ×	- ロ × 命会感 <mark></mark>
*			-
KenCast Fazzt Adm	ninistration (DESKTOP-9	NLO63P)	Welcome Administrator
▼Configuration Channels	Receive Settings		
Storage Settings Database License	Settings Loggin <mark>s Virtu</mark>	al Paths ost Processing Configuration	
Logging Scripting Script Folders	Virtual Path:	Add	
Backhaul Passwords Alarms	Virtual Path	Physical Directory C:\Program Files (x86)\KenCast\Fazzt\incoming	
Web Sites Import/Export	Delete Help		
Schedule			
Applications			
Statistics			
Documentation			

Click [\] under Virtual Paths.

The Edit Virtual Path screen will be displayed.

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KenCast Fazzt Adı	ninistration (DESKTOP-9NLO63P)	Welcome Administrator
 Configuration Channels Receive Settings Storage Settings Database License Logging Scripting Script Folders Backhaul Passwords Alarms Web Sites Import/Export Tools Schedule Applications 	Edit Virtual Path Settings Logging Virtual Paths Post Processing Configuration Vidual Path Physical Path CATemp Save Cancel Help	
 Statistics Logs Documentation 		

Input the following and click the [Save] button:

Physical Path: C: \Temp		Physical Path:	C: \Temp
---------------------------	--	----------------	----------

1.3.3. Creating Script Folders

Add two script folders.

Go to [Configuration] on the left of the screen and select [Script Folders]. Script Folders screen will be displayed.

(→) (127.00)	11-4039/admin/index.fsp	- □ × 命会颂 [@]
KenCast Fazzt Adr	ninistration (DESKTOP-9NL063P)	Welcome Administrator
 Configuration Channels Receive Settings Storage Settings Database License Logging 	Script Folders Search Clear Add Delete Refresh Pause Resume Help	
Script Folders Backhau Passwords Alarms Web Sites Import/Export > Tools > Schedule > Applications > Statistics > Lugs > Documentation	State Folder A	

Click the [Add] button.

The Setup a Script Folder screen will be displayed.

- □ × ① ☆ ② ^②	(i) http://127.0.0.1:4039/admin/index.fsp
Welcome Administrator	nCast Fazzt Administration (DESKTOP-9NLO
	onfiguration hannels sceive Settings tabase Setup a Script Folder birectory:
	pplications tatistics ogs ocumentation

Input the following values and click the [Save] button:

Directory:	C: \HRIT_in
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\
	Match10.fzt
Blocking Mode:	(Check mark)

Directory:	C: \HRIT_tmp
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\
	ConcAndConvert.fzt
Blocking Mode:	(Check mark)

The Script Folders screen will be displayed as follows:

(1-4039/admin/index.fsp 🔎 🗶 Fazzt Administration (DESKT 🗙	- □ × 谕 章 ⑨ <mark>❷</mark>
KenCast Fazzt Adm	ninistration (DESKTOP-9NL063P)	Welcome Administrator
 Configuration Channels Receive Settings 	Script Folders	
Storage Settings Database	Search Clear	
License	Add Delete Refresh Pause Resume Help	
Scripting	1 to 2 of 2 entries	
Script Folders	Class: Calder	
Backhaul Passwords Alarms	O II ACTIVE C:\HRIT in Script File: C:\Program Files (x86)\KenCast\Fazzt\Scripts\Himawaricast\Match10.fzt	Edit Pause Delete
Web Sites Import/Export	B ACTIVE C:\HRIT_tmp Script File: C:\Program Files (x86)\KenCast\Fazzt\Scripts\Himawaricast\ConoAndConver	Edit Pause Delete rt.fzt
Tools	1 to 2 of 2 entries	
Schedule	Add Delete Refresh Pause Resume Heln	
Applications	The Cost Indices Table Recent Top	
Statistics		
Documentation		
Documentation		

1.3.4. Creating Tasks

Add three Tasks using Fazzt script.

Go to [Schedule] on the left of the screen and select [Task]. The Tasks screen will be displayed. Select [Run Script] from the [< Select Task Type to Add >] pull-down menu.



Set the required items on the Add Script Task setting screen.

د.fsp		- □ × 命命领 @
(DESKTOP-9NL063P)		Welcome Administrator
ript Task General Run Fazzt Script eset Cancel Help		
	Lifip P C S Fazzt Administration (DESKT × (DESKTOP-9NLO63P) ript Task General Run Fazzt Script eset Cancel Help	Infsp _P = C Sezet Administration (DESKT × (DESKTOP-9NLO63P) ript Task General Run Fazzt Script eset Cancel Help

Input the following values and click the [Save] button.

Name:	Combine Anyway (HRIT)
Category:	HimawariCast
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\
	Combi neAnyway. fzt
Initialization:	<pre>map \$ExpTime = ["Minutes" => 25];</pre>
	Note: Input the waiting time from the start of observation to HRIT file
	receipt. For Himawari-8/9, a setting of 25 minutes is recommended.

Name:	Delete Files Older Than N	
Category:	HimawariCast	
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\	
	Del eteFiles0l derThanN. fzt	
Initialization:	<pre>\$FolderName = {"C: \\HRIT", "C: \\LRIT", "C: \\MANAM",</pre>	
	"C: \\SATAID_Image", "C: \\SATAID_Obs"};	
	<pre>map \$ExpireTime = ["Days" => 7];</pre>	
	Note: Input the period for which received data should be stored in	
	consideration of HDD capacity.	

Name:	Delete Files Older Than N (Temp Folders)	
Category:	HimawariCast	
Script File:	C:\Program Files (x86)\KenCast\Fazzt\Scripts\HimawariCast\	
	Del eteFiles0l derThanN. fzt	
Initialization:	tialization: \$FolderName = {"C: \\Temp\\HRIT_in", "C: \\Temp\\LRIT",	
	"C: \\Temp\\MANAM", "C: \\Temp\\SATAID_Image",	
	"C: \\Temp\\SATAID_Obs", "C: \\HRIT_in\\Process",	
	"C:\\HRIT_tmp\\Process"};	
	<pre>map \$ExpireTime = ["Minutes" => 60];</pre>	
	Note: Input the period for which received data should be stored in the	
	Temp folder in consideration of HDD capacity.	

1.3.5. Adding Scheduled Tasks

Set schedules for the tasks created in 1.3.4.

Go to [Schedule] on the left of the screen and select [Task]. The Tasks screen will be displayed. Select [HimawariCast] from the blue-strip Show [All] tasks pull-down menu.

(-) (2.1-1/039/admin/index.fsp	×
4		
KenCast Fazzt Adn	ninistration (DESKTOP-9NL063P)	Welcome Administrato
Configuration Tools	Tasks	
Schedule Task Application	Search Clear	< Select Task Type to Add > V Go
Applications Statistics Logs	Show HimawanCast Backo Maniferiance Catege Moniforing	Run Schedule Details Edit
Documentation	Description: Makes a backup of the Fazzt configuration which can later be restored to the same computer. Last Run: never - Duration: NA Last Status: Schedule: Executes every 7 days at 11:59 starting on 2006-01-01 at 23:59:00.	
	Clean up Logs Category: Maintenance Description: Clean up Log Tables, Last Rou: never - Duration: NA Last Status: Schedule: Executes every 24 hour(s) station on 2006-01-01 at 23:59:00	<u>Run Schedult</u> Details Edit
	Combine Anyway (HRIT) Category: HimawarCast Description: Run Fazz Sorie Last Run: never - Duration: NA	Run Schedule Details Edit Delete
	Delete Expired Receive Files	Run Schedule Details

Click [Schedule] on the right of the tasks to be configured.

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	A thousy administration (DESKT A	10 M 10 V
124 		1770 Sec. 11 Sec. 1 Sec
KenCast Fazzt Adı	ministration (DESKTOP-9NLO63P)	Welcome Administrator
Configuration	Search Clear	< Select Lask Type to Add > V Go
Tools	1 to 3 of 3 entries	· · · · · · · · · · · · · · · · · · ·
Schedule	Show HimawarCast Y tasks	
Task Application	Combine Anyway (NRT) Category: HimawaiCast	Ru Schedule Details Edit Delete
Applications Statistics	Last Run: 2016/08/17 17:57:26 - Duration: (running)	
Logs	Last Status: OK Schedule: Executes every 1 minute(s) starting on 2016-08-17 at 00:00:00.	
Documentation	Delete Files Older Than N	Ru Schedule Details Edit Delete
	Category: HimawariCast	
	Last Run: never - Duration: NA	
	Last Status:	
	Schedule: Executes every 1 hour(s) starting on 2016-08-17 at 00:05:00.	
	Delete Files Older Than N (Temp Folders)	Rui Schedule Details Edit Delete
	Category: HimawanCast Description: Bup Fazzt Script	
	Last Run: never - Duration: NA	
	Last Status:	
	Schedule: Executes every 1 hour(s) starting on 2016-08-17 at 00:10:00.	
	1 to 3 of 3 entries	
	Refresh Help	~
	have been a second and the second sec	

Input the following values and click the [Save] button.

C () () http://127.0	0.0.1-4039/admin/index.fsp 🖉 🗸 🖒 🍏 Fazzt Administration (DESKT ×	- ロ × の☆感 ®
KenCast Fazzt Ad	Iministration (DESKTOP-9NLO63P)	Welcome Administrator
Configuration Tools	Schedule Task Combine Anyway (HRIT)	
▼Schedule Task Application	Start on August 17 2016 at 00 : 00 ·	
 Applications Statistics 	Repeat Hourly	
 Logs Documentation 	Every: 00:01:00 (hh:mm:ss)	
	Until: Stop after 1 occurrences. Expire on January V 26 V 2018 V at 10 V : 07 V	
	Save Remove This Schedule Cancel Help	

Combine Anyway (HRIT)

Repeat:	Hourly
	Every: 00:01:00

Note: for operation at one-minute intervals.

Delete Files Older Than N

Repeat:	Hourl y
	Every: 00:10:00

Note: for operation at ten-minute intervals.

Delete Files Older Than N (Temp Folders)

Repeat:	Hourly
	Every: 00:10:00

Note: for operation at ten-minute intervals.

1.4. Configuring Other Settings

1.4.1. Changing Buffer Size by Editing Registry

Editing the registry should be done carefully.

Start the Registry Editor (method is OS-dependent). Select the following folder in the Registry Editor.

> HKEY_LOCAL_MACHINE\SOFTWARE\Wow6432Node\KenCast\Fazzt\ Channel Types\{61c6de20-c78d-11d2-978d-006097295a62}\ Defaul ts

アイル(E) 編集(E) 表示(V)	お気に入り(A) ヘルプ(H)						
	azeband hannelTypes (0867D0A2-A050-46C0-ADD5-B6995183F9BF) (0ACEB90C-4612-4117-97C7-42BE5E20A46F)	^	名前 動(既定) ²⁰¹ BufferSize	種類 REG_SZ REG_DWORD	データ (値の設定なし) 0-00040000 (262144)	 	
	(186C3E07-86A0-47D6-83F5-AC83082DFCD2) (34A422E1-0009-483C-8781-C2D887389797) (4183bf30-c78e-11d2-978d-006097295a62) (4219c50-c78e-11d2-978d-006097295a62) (422DA99F-4C39-447D-8C93-60A3965EC404) (42d43670-c78e-11d2-978d-006097295a62) (61c6de20-c78d-11d2-978d-006097295a62) (61c6de20-c78d-11d2-978d-006097295a62) (61c6de20-c78d-11d2-978d-006097295a62) (61c6de20-c78d-11d2-978d-006097295a62) (61c6de20-c78d-11d2-978d-006097295a62) (64e177a0-c78d-11d2-978d-006097295a62) (64e177a0-c78d-11d2-978d-006097295a62) (85A09807-8318-4778-879C-A32C801988A4) (CE16136F-7581-11D9-815A-00A0CC28DA3A) (F382CDDA-85C7-45FA-A812-A48CE96485F)		Winterface Interface	REG_SZ REG_DWORD REG_DWORD REG_DWORD	0x00000000 (0) 0x00001000 (4096) 0x00000000 (0)		

Double-click Channel BufferSize from the Defaults folder, check Decimal and input 6291456 and click OK button.

DWORD (32 ビット) 値の糧	ię ×
値の名前(<u>N</u>):	
ChannelBufferSize	
値のデータ(⊻):	表記
6291456	〇 16 進数(円)
	● 10 進数(D)
	OK キャンセル

2. SATAID Software

2.1. Configuring SATAID Software

2.1.1. Configuring sataid.ini

Open C: \SATAID\sataid. ini in a text editor (e.g., Notepad).

Input the time difference between the PC's built-in clock and the UTC value on the third line (default: 0 hours).

' Time-difference between local time (PC built-in clock) and UTC

2.1.2. Configuring sataid.vbs

Open C: \SATAID\sataid.vbs in a text editor (e.g., Notepad). Input the execution filename in line 26 as follows:

 $sGMSLP = GMSLPD \setminus GMSLPD64. EXE$

2.1.3. Configuring the Display Area

The following seven display areas are provided:

Display area	Latitude	Longitude	Configuration file
Full Disk	65N – 65S	80E – 200E (160W)	hri t2satai d_Ful I Di sk. i ni
North Central (NC)	55N – 15S	90E – 155E	hri t2satai d_NorthCentral .i ni
Northwest (NW)	65N – 5S	80E – 145E	hrit2sataid_Northwest.ini
Northeast (NE)	65N – 5S	135E – 200E (160W)	hri t2satai d_Northeast.ini
South Central (SC)	15N – 55S	107.5E – 172.5E	hri t2satai d_SouthCentral . i ni
Southwest (SW)	5N – 65S	80E – 145E	hrit2sataid_Southwest.ini
Southeast (SE)	5N – 65S	135E – 200E (160W)	hri t2satai d_Southeast. i ni



Rename the configuration file under the C: \SATAID\Program Files folder corresponding to the display area to hrit2sataid. ini. Initially, North Central (NC) is selected as the display area, and hrit2sataid. ini is the same as hrit2sataid_NorthCentral.ini.

Note: SATAID software consumes large amounts of memory when the display area is set to Full Disk.

2.1.4. Starting the SATAID Automatic Update Tool

Double-click C:\SATAID\Sataid_Loop.hta to start the SATAID Automatic Update Tool.



SATAID software starts automatically.



SATAID software reads satellite imagery of bands checked for [Satellite Band] in the SATAID Automatic Update Tool during the period checked for [Loop Duration] of the tool. Note: SATAID software consumes more memory with a greater number of bands and longer read periods.

SATAID software reads the latest satellite imagery and updates the display every five minutes. Automatic updating can be suspended by checking [Stop] under [Loop Duration] in the SATAID Automatic Update Tool.

SATAID software has buttons corresponding to Himawari satellite bands. The mapping table is as follows:

Band	Name of button
1	V1
2	V2
3	VS
4	N1
5	N2
6	N3
7	14
8	WV

9	W2
10	W3
11	MI
12	O3
13	IR
14	L2
15	12
16	СО